

TABLE OF CONTENTS



**We now offer
MCM products!
Starting on
page 1575**



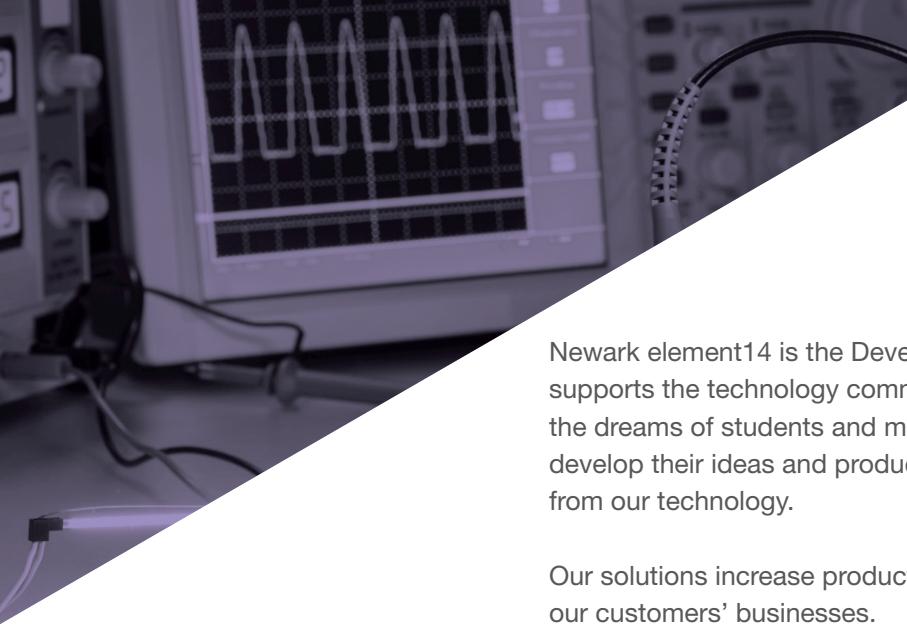
| | | |
|--|--|---|
| Semiconductors & Development Tools Section Index: page 9 | MCUs, MPUs, DSPs & Development Tools 12-26 Memory & Communication ICs 27-37 Analog, Logic & Sensor ICs 38-60 Discretes & RF 61-69 | 1 |
| Passive Components Section Index: page 71 | Capacitors 74-88 Resistors, Thermistors & Potentiometers 89-106 Inductors, Coils, Filters & Ferrites 107-109 Crystals, Oscillators & Resonators 110-111 Onboard Audibles, Microphones & Speakers 112-113 | 2 |
| Interconnect & Wire/Cable Section Index: page 115 | Connectors & Accessories 118-509 Electrical Connector Products 510-533 Cable Assemblies 534-551 Wire & Cable 552-616 Cable Management 617-667 | 3 |
| Optoelectronics, Lamps & Displays Section Index: page 669 | LEDs & Accessories 671-676 Displays 677-679 Non-Visible Optoelectronics 680-681 Fiber Optic & Laser Electronics 682-683 | 4 |
| Circuit Protection Section Index: page 685 | Fuses 686-739 Circuit-Breakers 740-753 | 5 |
| Power & Line Protection Section Index: page 755 | Power Supplies 756-834 Batteries & Accessories 835-849 Line Protection 850-871 Transformers 872-889 | 6 |
| Electromechanical & Industrial Control Section Index: page 890 | Relays, Solenoids & Contactors 895-961 Switches & Sensors 962-1127 Panel Instrumentation 1128-1155 Industrial Computing & Process Control 1156-1179 Warning & Safety 1180-1189 | 7 |
| Tools & Production Supplies Section Index: page 1191 | Soldering Equipment & Supplies 1193-1224 Tools & Accessories 1225-1268 Production Supplies 1269-1314 ESD & Static Control 1315-1331 | 8 |
| Test & Measurement Equipment Section Index: page 1333 | Bench Test Equipment 1336-1364 Bench Top Power Supplies 1365-1378 Hand Held Test Equipment 1379-1423 Environmental Test Equipment 1424-1434 Mechanical Test Equipment 1435-1439 | 9 |
| Enclosures & Thermal Management Section Index: page 1441 | Enclosures, Boxes, Racks & Thermal Mgt. 1444-1532 Fans, Blowers & Impellers 1533-1558 Heat Sinks & Thermal Management 1559-1573 | 10 |
| | MCM 1575-1726 Product Index 1728-1767 Manufacturer Index 1768-1794 | Standard Terms & Conditions of Sale 1797-1800 |

newark.com

Technical Data Sheets available online



Your
**DEVELOPMENT
DISTRIBUTOR**



Newark element14 is the Development Distributor, a global partner that supports the technology community at every stage. From developing the dreams of students and makers to helping professional engineers develop their ideas and products, we build a community that benefits from our technology.

Our solutions increase productivity and keep lines running developing our customers' businesses.

Calibration Services

For off-the-shelf Test & Measurement equipment and shipping, often in 48 hours or less.
newark.com/calibration-services

Custom Panel Meters

Customized analog & digital panel meters to meet your specs.
newark.com/custom-panel-meters

Custom Enclosures

Modification or customization.
newark.com/custom-enclosures

Re-reeling Services

For semiconductors and passive surface mount products.

Customized Kits

Built, labeled and shipped to help expedite your production process.
newark.com/kitting

Printed Circuit Kits

Built from your complete BOM including fabricated board.
newark.com/kitting

Total Procurement Cost

Analysis to help lower your total cost of procurement.

Scheduled Orders

Products procured, scheduled and ready to ship for future release dates.

Dedicated Inventory

We'll set aside reserved inventory for your JIT or KANBAN.

Stockroom Solutions

We can evaluate supply and organize stockrooms.
newark.com/stockroom-solutions





EDUCATION & MAKERS

Your Development Distributor

Offering products and solutions to create a better future

We inspire the next generation of engineers with our content, software and educational boards, enabling them to develop their future, while makers develop their dreams with our single board computers, software and components. Our element14 community is a valued resource for teachers and enthusiasts worldwide.

Education Services: Get easy access to products and convenient purchasing to support your curriculum.

newark.com/education-services

STEM Academy: A dedicated area for anyone who wishes to explore learning concepts and classroom-based design projects within the electronic and digital space.

element14.com/stem



Raspberry Pi



beagleboard.org



micro:bit



FLUKE



KEYSIGHT
TECHNOLOGIES



Tektronix





RESEARCH & DESIGN

Your Development Distributor

Helping bring your ideas to life

We help companies of all sizes, from start-up to global enterprises, including some of the world's largest semiconductor companies develop their ideas. With the world's largest selection of development kits, the latest components and informative resources, we are a vital element of research and design.

Development Kits & Tools:

Discover the widest selection of development kits and tools from the top manufacturers in analog and embedded design.

newark.com/devkits

Design Engineering Resources:

Accelerate your innovation with everything you need for every phase of your design process.

newark.com/design



BOURNS®



ON Semiconductor®

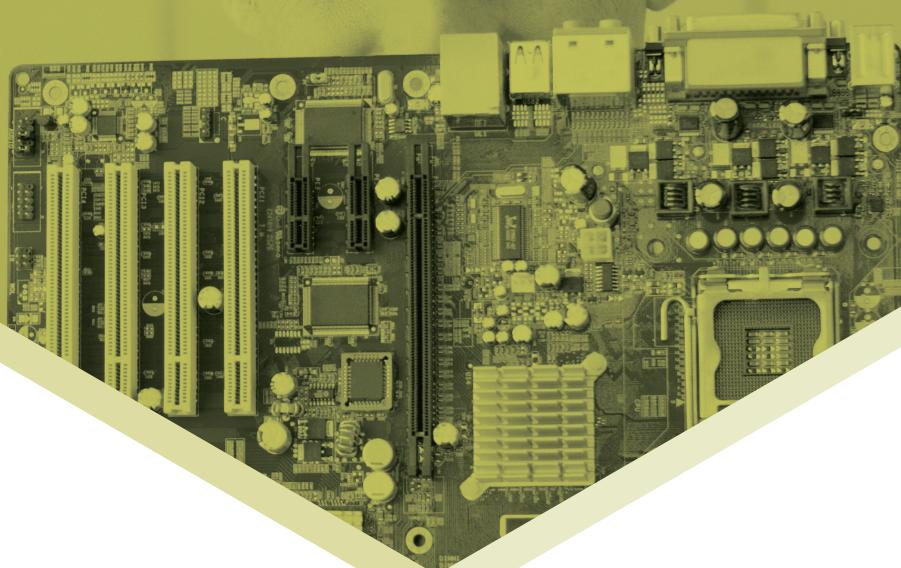


Expertise Applied | Answers Delivered



AUTHORIZED DISTRIBUTOR





PROTOTYPE & TEST

Your Development Distributor

Develop and build your prototype faster

We have the widest selection of components, boards, kitting, tools and test equipment for you to develop your products. With expert technical support, and custom development services, we help you develop your prototype sooner. newark.com/kitting

Test & Measurement:

Discover the widest selection of test equipment from the top manufacturers like Tektronix, Keysight and Fluke.

newark.com/test-measurement

Lab Solutions:

Everything you need for your workbench. Equipment. Accessories. Software. Support.

newark.com/lab-supplies





PRODUCTION & MAINTENANCE

Your Development Distributor

Supporting your business and maintenance needs

We develop your business by delivering the components you need to manufacture your products, automate industrial systems and ensure they are well maintained. From tape & reel services for components to supplying spares and consumables, we've been developing customers' businesses for over 80 years.

Facilities & Operations Support:

Get all the right products, technology, information and tools to keep your operations up and running and get the job done fast.
newark.com/facilities

Next Day Delivery:

Need it tomorrow? We offer overnight and Saturday delivery.
newark.com/shipping



AlphaWire
Cable you trust. Service you deserve.

Amphenol

behinger



BELDEN
SENDING ALL THE RIGHT SIGNALS

BOURNS®

EATON



HIKVISION

Honeywell



Littelfuse®
Expertise Applied | Answers Delivered

molex

multicomp

ON Semiconductor® ON

OHMITE

OMRON

Panasonic

PYLE

Schneider Electric

ST I^{te}.augmented

Stellar Labs®

Tektronix®

TE

3M

VISHAY





5G Wireless



Industrial IoT



Embedded Vision



Cloud Computing

Shaping the Future of Next Generation Systems

Xilinx All Programmable Solutions enable Smarter, Connected, and Differentiated Systems, integrating the highest levels of software-based intelligence with hardware optimization and any-to-any connectivity.



For more information visit
newark.com/xilinx



Download Xilinx GO

Download on the
App StoreGet it on
Google play

Semiconductors & Development Tools

MCUs, MPUs, DSPs & Development Tools

| | |
|--|-------|
| MPUs, Apps Processors & Development Tools | 13 |
| Microcontroller Development/Evaluation Kits | 13-14 |
| Microcontroller & Memory Programmers | 14-15 |
| MCUs/MPUs, Apps Processors & Development Tools | 15-23 |
| MCUs, MPUs, DSPs & Development Tools | 23 |
| Embedded Software | 23-24 |
| DSPs & Development Tools | 24-26 |
| 32-Bit MCUs & Development Tools | 26 |

Analog, Logic & Sensor ICs

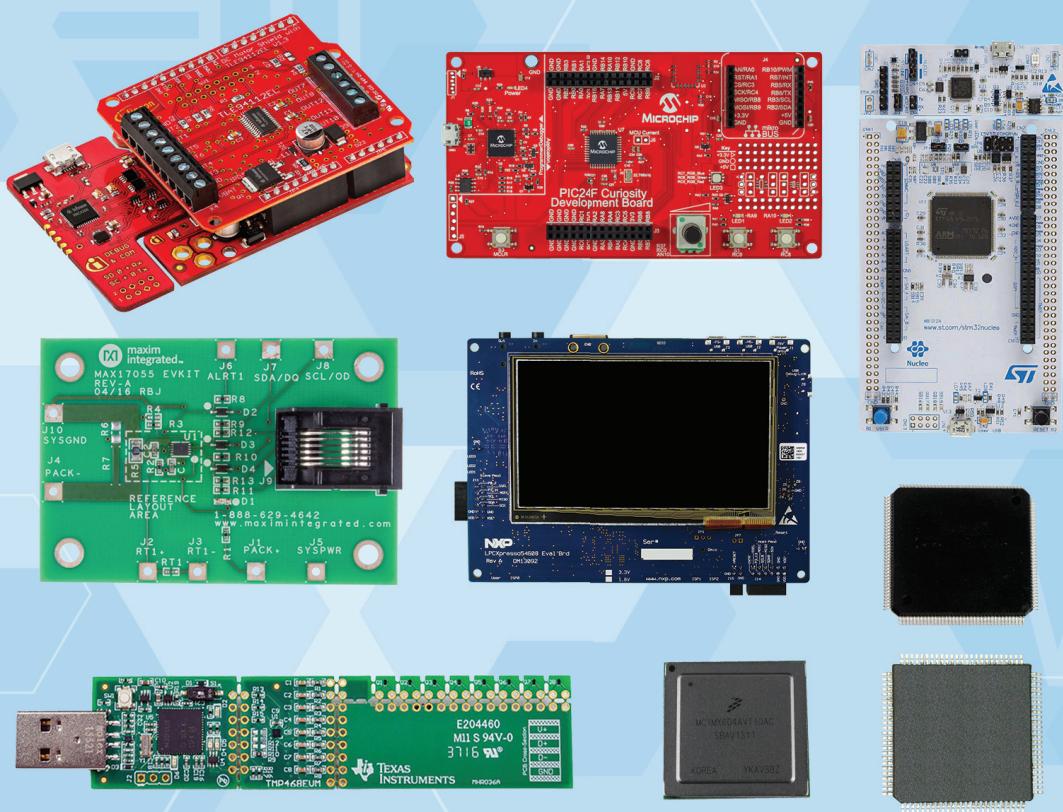
| | |
|--------------------------------------|-------|
| Amplifiers | 38-42 |
| Analog-to-Digital Converters | 42-46 |
| Analog Switches & Multiplexers | 46 |
| Interface & I/O Controller ICs | 46-50 |
| LVDS/ECL/PECL Translators | 50-51 |
| Sensor ICs | 51-52 |
| Standard Logic ICs | 52-55 |
| Power Management ICs | 55-60 |

Memory & Communication ICs

| | |
|---|-------|
| Serial EEPROM Memory ICs | 27-32 |
| FLASH Memory ICs | 33-35 |
| NVRAM Memory ICs | 35 |
| RFICs | 35-36 |
| SRAM Memory ICs | 36 |
| Communication IC & Development Kits | 36-37 |

Discretes

| | |
|--|--------|
| Fast Recovery Rectifiers | .61 |
| IGBT Modules | .62 |
| Power MOSFETs | .62-65 |
| Schottky Rectifiers | .65-66 |
| Thyristors/Diodes Modules | .66-68 |
| Transient Voltage Suppression Diodes | .68-69 |



To search by manufacturer, see our detailed **Manufacturer Index** on page 1768.

Explore our expanded range of Full Reel Semiconductors. Available in Cut Tape, too!

- Find 50,000+ high quality tape & reel components
- Thousands more products added monthly
- Market leading manufacturers
- Supplied in original manufacturers packaging
- Suitable for all your production needs
- Competitive prices up to 8 price breaks

**Order Full Reels
or Cut Tape
Easy as 1-2-3**

1. See the different packaging options on our Part Detail pages
2. View the price breakdowns instantly
3. Choose your packaging preference

We stock Full Reel components from the Industry's Leading Manufacturers



ON Semiconductor®



Not sure which semiconductor is right for your design?

Get direct, one-on-one technical support via Live Chat online 24/5 or by phone at 1.877.736.4835.

We're adding products and subtracting fees... which equals a better way to buy electronic components

We've expanded our inventory of semiconductors, passives and optoelectronics! Now you can access thousands more components in stock from top brands

And, we've removed the \$20 up-charge on thousands of devices shipped from our overseas warehouse – so you'll pay even less to get the parts you need!

Semiconductors - Full Reels and Cut Tape

| | | Semiconductors | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|----------------|-------------------|-------------|----------------|-----------------|-----------|------------------|---------|-----------------------|----------------------------|-----------------|-----------------|-----------------|--------|--------|------------------|---|--|----|--|--|
| | | Analog | | | | | | Clock & Timing | | | | | | Optoelectronics | | | | | | RF | | |
| | | Amplifiers | Analogic Switches | Audio/Video | Clock & Timing | Data Conversion | Interface | Power Management | Sensors | Clock & Data Recovery | Clock Generators & Buffers | Phase Lock Loop | Real Time Clock | Logic | EEPROM | Memory | Microcontrollers | | | | | |
| Allegro Microsystems | | | | | | | | | | | | | | | | | | | | | | |
| Analog Devices | ■ | ■ | | | ■ | | | ■ | ■ | | | | | | | | | | | | | |
| AND Optoelectronics | | | | | | | | | | | | | | | | | | | | | | |
| AVX | | | | | | | | | | | | | | | | | | | | | | |
| Bivar | | | | | | | | | | | | | | | | | | | | | | |
| Bourns | | | | | | | | | | | | | | | | | | | | | | |
| Broadcom Limited | | | | | | | ■ | | | | | | | | | | | | | | | |
| Chicago Miniature Lighting | | | | | | | | | | | | | | | | | | | | | | |
| Clare | | | | | | | | | | | | | | | | | | | | | | |
| Cree | | | | | | | | | | | | | | | | | | | | | | |
| Cypress Semiconductor | | | | | | | | | ■ | | | | | | | | | | | | | |
| Dialight | | | | | | | | | | | | | | | | | | | | | | |
| Exar | | | | | | | ■ | | | | | | | | | | | | | | | |
| Fairchild Semiconductor | ■ | ■ | | | | | | ■ | | | | | | | | | | | | | | |
| Honeywell | | | | | | | | ■ | | | | | | | | | | | | | | |
| Infineon | | | | | | | | ■ | | | | | | | | | | | | | | |
| Intersil | ■ | ■ | | | | | | ■ | | | | | | | | | | | | | | |
| Kingbright | | | | | | | | | | | | | | | | | | | | | | |
| Ledengin | | | | | | | | | | | | | | | | | | | | | | |
| Linear Technology | ■ | | | ■ | | | | ■ | | | | | | | | | | ■ | | | | |
| Littlefuse | | | | | ■ | | | | | | | | | | | | | | | | | |
| Lumex | | | | | | | | | | | | | | | | | | | | | | |
| Micro Commercial Components | | | | | | | | | | | | | | | | | | | | | | |
| Microchip | ■ | | | | | | | | ■ | | | | | | | | | ■ | | | | |
| Multicomp | | | | | | | | | ■ | | | | | | | | | ■ | | | | |
| Nexperia | ■ | | | | | | | | ■ | | | | | | | | | ■ | | | | |
| NTE Electronics | | | | | | | | | | | | | | | | | | | | | | |
| NVE | | | | | | | | | ■ | | | | | | | | | | | | | |
| NXP | | | | | | | | | ■ | | | | | | | | | | | | | |
| On Semiconductor | ■ | ■ | | | | | | | ■ | | | | | | | | | | | | | |
| Optek Technology | | | | | | | | | ■ | | | | | | | | | | | | | |
| Osa Opto Light | | | | | | | | | | | | | | | | | | | | | | |
| Panasonic Electronic Components | | | | | | | | | | | | | | | | | ■ | | | | | |
| Rohm | | | | | | | | | | | | | | | | | | ■ | | | | |
| Semtech | | | | | | | | | ■ | | | | | | | | | | | | | |
| STMicroelectronics | ■ | ■ | | | | | | | ■ | | | | | | | | | ■ | | | | |
| Texas Instruments | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | | | ■ | | | | | |
| Vishay | ■ | ■ | | | | | | | ■ | | | | | | | | | ■ | | | | |

■ Available in full reel and cut tape quantities

MPUS, APPS PROCESSORS & DEVELOPMENT TOOLS

1

SITARA ARM CORTEX-A8 PROCESSORS



TEXAS INSTRUMENTS
Authorized Distributor

Features

- Low-cost solutions
- High-level operating systems and RTOS support
- Production-ready reference platforms
- Large 3P ecosystem for support and additional resources
- Comprehensive integration
- Software and hardware enablement
- Advanced 3D graphics acceleration
- Flexible communications interfaces
- Robust display options

Sitara ARM Cortex-A8 processors offer power and cost optimized solutions that go beyond the core, delivering a broad portfolio of ARM Cortex-A8 devices that help innovators create a variety feature-rich, low-power applications. With the ability to scale in speed from 275MHz to 1.35GHz, the ARM Cortex-A8 processor can meet the requirements for power optimized devices with a power budget of less than 300mW and enables performance-optimized consumer applications requiring greater than 2500 Dhrystone MIPS. Compared to the ARM11 core, the Cortex-A8 processor is a dual-issue superscalar, achieving twice the instructions executed per clock cycle at 2 DMIPS/MHz.

| Mfg. Part No. | Case Style | No. of Pins | CPU Speed | Supply Voltage | Stock No. | Price Each |
|------------------|------------|-------------|-----------|--------------------|-----------|------------|
| ● AM3352BZCZ60 | NFBGA | 324Pins | 1GHz | 912 mV to 1.144 V | 85W3984 | 1.4+ |
| ● AM3352BZCZA100 | NFBGA | 324Pins | 1GHz | 912 mV to 1.378 V | 73W9675 | --- |
| ● AM3358BZCZ100 | BGA | 324Pins | 1GHz | 912 mV to 1.378 V | 73W9711 | --- |
| ● AM3358BZCZA100 | BGA | 324Pins | 1GHz | 912 mV to 1.378 V | 73W9709 | --- |
| ● AM3352BZCE30 | NFBGA | 298Pins | 300MHz | 912 mV to 1.144 V | 85W3980 | --- |
| ● AM3352BZCEA30 | BGA | 298Pins | 300MHz | 912 mV to 1.144 V | 85W3977 | --- |
| ● AM3352BZCED30 | NFBGA | 298Pins | 300MHz | 912 mV to 1.144 V | 85W3979 | --- |
| ● AM3352ZCE50 | BGA | 298Pins | 500MHz | 1.71 V to 1.89 V | 94T9516 | 4.18 |
| ● AM3352BZCD60 | NFBGA | 324Pins | 600MHz | 912 mV to 1.144 V | 73W9676 | --- |
| ● AM3505AZER | BGA | 484Pins | 600MHz | 1.152 V to 1.248 V | 27T6181 | --- |
| ● AM3505AZERA | BGA | 484Pins | 600MHz | 1.152 V to 1.248 V | 27T6182 | --- |
| ● AM3517AZER | BGA | 484Pins | 600MHz | 1.152 V to 1.248 V | 27T6183 | --- |
| ● AM3517AZERA | BGA | 484Pins | 600MHz | 1.152 V to 1.248 V | 27T6184 | --- |
| ● AM3517AZERC | BGA | 484Pins | 600MHz | 1.152 V to 1.248 V | 52T7517 | --- |
| ● AM3505AZCN | NFBGA | 491Pins | 600MHz | 1.152 V to 1.248 V | 83R9388 | --- |
| ● AM3505AZCNA | NFBGA | 491Pins | 600MHz | 1.152 V to 1.248 V | 83R9389 | --- |
| ● AM3517AZCNA | NFBGA | 491Pins | 600MHz | 1.152 V to 1.248 V | 83R9391 | --- |
| ● AM3517AZCNAC | NFBGA | 491Pins | 600MHz | 1.152 V to 1.248 V | 52T7514 | --- |
| ● AM3354ZCED50 | BGA | 298Pins | 720MHz | 1 V to 1.2 V | 94T0251 | 1.72 |
| ● AM3354BZCZ80 | BGA | 324Pins | 800MHz | 912 mV to 1.326 V | 73W9694 | --- |
| ● AM3354BZCZA80 | BGA | 324Pins | 800MHz | 912 mV to 1.326 V | 73W9687 | --- |
| ● AM3354BZCD80 | NFBGA | 324Pins | 800MHz | 912 mV to 1.326 V | 73W9690 | --- |
| ● AM3357BZCZA80 | NFBGA | 324Pins | 800MHz | 912 mV to 1.326 V | 73W9706 | 1.93 |
| ● AM3359BZCZA80 | NFBGA | 324Pins | 800MHz | 912 mV to 1.326 V | 85W3986 | 15.22 |

PIM_209551

COLDFIRE® 32-BIT EMBEDDED MICROPROCESSORS



The ColdFire 32-Bit Embedded Microprocessors family combines a ColdFire Processor core with several peripheral functions such as a timers, parallel and serial interfaces, and system integration. Designed for embedded control applications, the ColdFire core delivers enhanced performance. The processor performs up to 159 MIPS with Ethernet, USB device, and Encryption features.

ColdFire® V2 Embedded Processors

Connectivity microprocessor offering up to 159 MIPS of performance. Features Ethernet, USB device, and Encryption. Also contains options with dual Ethernet.

MCF520X: Integrated ColdFire V2 External Memory and Ethernet Microprocessors.

MCF524X: Integrated ColdFire Version 2 Microprocessor

ColdFire® V3 Embedded Processors

Connectivity microprocessor offering up to 211 MIPS of performance. Features Ethernet, USB host, USB otg, and Encryption.

MCF530X: Integrated ColdFire V3 Microprocessors.

ColdFire® V4 Embedded Processors

The ColdFire V4 core delivers exceptional performance - more than 500 MIPS - while maintaining a low cost and small size. Upward compatibility from ColdFire V1, V2 and V3 cores provides a smooth roadmap to higher performance designs, giving customers exceptional design flexibility.

MCF540X: Integrated ColdFire V4 Microprocessors.

MCF547X: ColdFire V4 Microprocessor with Ethernet and Encryption.

MCF548X: ColdFire V4e Microcontroller with Ethernet, CAN and Encryption.

| Mfg. Part No. | Case Style | No. of Pins | CPU Speed | Supply Voltage | Stock No. | Price Each |
|-----------------|------------|-------------|-----------|------------------|-----------|------------|
| ● MCF5206ECAB40 | QFP | 160Pins | 40MHz | 4.75 V to 5.25 V | 25K5853 | 21.33 |
| ● MCF5206EAB54 | QFP | 160Pins | 54MHz | 4.75 V to 5.25 V | 25K5852 | 21.34 |
| ● MCF5307CAI66B | FQFP | 208Pins | 66MHz | 3 V to 3.6 V | 11J9312 | --- |
| ● MCF5307AI66B | FQFP | 208Pins | 66MHz | 3 V to 3.6 V | 11J9310 | 27.53 |
| ● MCF5307AI90B | FQFP | 208Pins | 90MHz | 3 V to 3.6 V | 11J9311 | 34.58 |

COLDFIRE® 32-BIT EMBEDDED MICROPROCESSORS (CONT.)

| Mfg. Part No. | Case Style | No. of Pins | CPU Speed | Supply Voltage | Stock No. | Price Each |
|------------------|------------|-------------|-----------|------------------|-----------|------------|
| ● MCF5249LAG120 | LOFP | 144Pins | 120MHz | 1.7 V to 1.9 V | 11J9293 | --- |
| ● MCF5249LCAG120 | LQFP | 144Pins | 120MHz | 1.7 V to 1.9 V | 11J9294 | --- |
| ● MCF5407AI162 | FQFP | 208Pins | 162MHz | 1.65 V to 3.3 V | 11J9313 | --- |
| ● MCF5407CAI162 | FQFP | 208Pins | 162MHz | 3 V to 3.6 V | 11J9315 | --- |
| ● MCF5484CZP200 | BGA | 388Pins | 200MHz | 3 V to 3.6 V | 11J9342 | --- |
| ● MCF5485CVR200 | BGA | 388Pins | 200MHz | 3 V to 3.6 V | 11J9343 | --- |
| ● MCF5484CVR200 | BGA | 388Pins | 200MHz | 3 V to 3.6 V | 11J9341 | --- |
| ● MCF5472VR200 | BGA | 388Pins | 200MHz | 3 V to 3.6 V | 11J9321 | --- |
| ● MCF5474VR200 | BGA | 388Pins | 200MHz | 3 V to 3.6 V | 11J9325 | --- |
| ● MCF5485CZP200 | BGA | 388Pins | 200MHz | 3 V to 3.6 V | 11J9344 | --- |
| ● MCF5407A220 | FQFP | 208Pins | 220MHz | 1.65 V to 3.3 V | 11J9314 | --- |
| ● MCF54416CMJ250 | MAPBGA | 256Pins | 250MHz | 1.14 V to 1.32 V | 87R1023 | --- |
| ● MCF54417CMJ250 | MAPBGA | 256Pins | 250MHz | 1.14 V to 1.32 V | 87R1024 | --- |
| ● MCF54418CMJ250 | MAPBGA | 256Pins | 250MHz | 1.14 V to 1.32 V | 87R1025 | --- |
| ● MCF5474VR266 | BGA | 388Pins | 266MHz | 3 V to 3.6 V | 11J9326 | --- |
| ● MCF5475VR266 | BGA | 388Pins | 266MHz | 3 V to 3.6 V | 11J9330 | --- |
| ● MCF5474ZP266 | BGA | 388Pins | 266MHz | 3 V to 3.6 V | 11J9328 | --- |
| ● MCF5475ZP266 | TEPBGA | 388Pins | 266MHz | 3 V to 3.6 V | 11J9332 | --- |

PIM_113747

i.MX 6 SERIES OF APPLICATION PROCESSORS



The i.MX 6 series of applications processors unleashes a scalable multicore platform that includes single-, dual- and quad-core families based on the ARM® Cortex™-A9 architecture for consumer, industrial and automotive applications. By combining the power-efficient processing capabilities of the ARM Cortex-A9 architecture with 3D and 2D graphics, as well as high-definition video, the i.MX 6 series provides a high level of multimedia performance to enable an unbound user experience.

MCIMX6L - i.MX 6SoloLite processor

MCIMX6D - i.MX 6Dual processor

MCIMX6Q - i.MX 6Dual processor

MCIMX6S - i.MX 6Solo processor

MCIMX6U - i.MX 6Dual/Lite processor

Part Number Nomenclature (MC IMX6 X X AA BB X X)

| | |
|--------------------------------|---|
| (MC IMX 6) Qualification level | PC = Prototype Samples ; MC = Mass Production; SC = Special |
| (X) Part - series | Q = i.MX 6Quad; D = i.MX 6Dual |
| (X) Part differentiator | 7 = Industrial - w/ VPU, GPU, no MLB; 6 = Autom otive - w/ VPU, GPU 5 = Consumer - w/ VPU, GPU; 4 = Autom otive - w/ GPU, no VPU |
| (X) Temperature Tj | E = Extended Commercial: -20 to + 105°C C = Industrial: -40 to +105°C; A = Autom otive: -40 to +125°C |
| (AA) Package type | VT = FCPBGA21x21 0.8mm (lidded) YM = FCPBGA21x21 0.8mm (non lidded) |
| (BB) Frequency | 08 = 800 MHz (Industrial grade); 08 = 852 MHz (Automotive grade) 10 = 1 GHz; 12 = 1.2 GHz |
| (X) Fusing | A = Default Setting; C = HDCP Enabled |
| (X) Silicon revision | C = Rev v 1.2; D = Rev v 1.3 |

PIM_208464

PowerQuicc™ II COMMUNICATION PROCESSORS



PowerQUICC™ II series integrates Power Architecture™ technology PowerPC 603e core with system logic required for networking, telecommunications, and wireless infrastructure applications. These processors combine system-level support for industry-standard interfaces with processors that implement the embedded category of the Power Architecture technology.

Part Number Key (MPC 826X A C ZU XXX X)

| | |
|------|---|
| MPC | Prdクト Code |
| 826X | Device Number |
| A | Process Technology (None = 0.29 micron; A = 0.25 micron) |
| C | Temperature Range ((Blank = 0 to 105 °C; C = -40 to 105 °C) |
| ZU | Package (ZU = 480 TBGA; VV = 480 TBGA (Pb Free)) |
| XXX | Processor Frequency (CPU/CPM/Bus) |
| X | Die Revision Level |

► CONTINUED ►

MPUS, APPS PROCESSORS & DEVELOPMENT TOOLS

PowerQuicc™ II COMMUNICATION PROCESSORS (CONT.)

| Mfg. Part No. | Case Style | No. of Pins | CPU Speed | Supply Voltage | Stock No. | Price Each |
|-------------------|------------|-------------|-----------|--------------------|-----------|------------|
| ● XPC8255VVFBC | TBGA | 480Pins | 133MHz | 2.4 V to 2.7 V | 62K5709 | 1+ --- |
| MPC8245LZU266D | TBGA | 352Pins | 266MHz | 1.7 V to 2.1 V | 83H1809 | --- |
| ● MPC8245LV266D | TBGA | 352Pins | 266MHz | 1.7 V to 2.1 V | 67H3806 | --- |
| MPC8260ACZUMHBB | TBGA | 480Pins | 266MHz | 1.9 V to 2.2 V | 93C3285 | --- |
| ● MPC8260ACVVMHBB | TBGA | 480Pins | 266MHz | 1.9 V to 2.2 V | 62K5386 | --- |
| ● MPC8247CVRMIBA | BGA | 516Pins | 266MHz | 1.425 V to 1.575 V | 53J3344 | 45.35 |
| ● MPC8270CVRMIBA | BGA | 516Pins | 266MHz | 1.45 V to 1.6 V | 11J9584 | --- |
| MPC8260AZUPJDB | TBGA | 480Pins | 300MHz | 1.9 V to 2.2 V | 93C3289 | --- |
| ● MPC8247CVRTEIA | BGA | 516Pins | 400MHz | 1.425 V to 1.575 V | 53J3346 | --- |
| ● MPC8247VRTIEA | BGA | 516Pins | 400MHz | 1.425 V to 1.575 V | 11J9574 | --- |
| ● MPC8248CVRTEIA | BGA | 516Pins | 400MHz | 1.425 V to 1.575 V | 53J3352 | 63.65 |
| ● MPC8270CVVUEPA | TBGA | 480Pins | 450MHz | 1.45 V to 1.6 V | 40K7698 | --- |
| MPC8270CZUPEA | TBGA | 480Pins | 450MHz | 1.45 V to 1.6 V | 62K5396 | 132.09 |
| ● MPC8270VVUEPA | TBGA | 480Pins | 450MHz | 1.45 V to 1.6 V | 40K7700 | 136.84 |
| MPC8270ZUPEA | TBGA | 480Pins | 450MHz | 1.45 V to 1.6 V | 62K5398 | --- |
| ● MPC8280CVVUEPA | TBGA | 480Pins | 450MHz | 1.45 V to 1.6 V | 40K7702 | --- |
| ● MPC8280VVUEPA | TBGA | 480Pins | 450MHz | 1.45 V to 1.6 V | 40K7704 | 219.34 |
| MPC8280ZUPEA | TBGA | 480Pins | 450MHz | 1.45 V to 1.6 V | 62K5406 | --- |

PIM_136919

M683XX SERIES 32-BIT MICROCONTROLLERS



M683xx family highly-integrated 32-bit microcontrollers combine high-performance data manipulation capabilities with powerful peripheral subsystems. This MCU is built up from standard modules that interface through a common intermodule bus (IMB). This family offers SIM product integration and a 5.0V operating voltage.

| Mfg. Part No. | Case Style | No. of Pins | CPU Speed | Supply Voltage | Stock No. | Price Each |
|-------------------|------------|-------------|-----------|------------------|-----------|------------|
| ● MC68LC302AF16CT | LQFP | 100Pins | 16MHz | 3 V to 3.6 V | 40K7351 | 31.09 |
| ● MC68332ACEH16 | ... | 132Pins | 16MHz | 4.75 V to 5.25 V | 11J9418 | 37.31 |
| ● MC68331CEH16 | ... | 132Pins | 16MHz | 4.5 V to 5.5 V | 11J9410 | 26.46 |
| ● MC68332AMEH16 | ... | 132Pins | 16MHz | 4.75 V to 5.25 V | 11J9422 | --- |
| ● MC68332GCEH16 | ... | 132Pins | 16MHz | 4.75 V to 5.25 V | 11J9431 | --- |
| ● MC68332GMHE16 | ... | 132Pins | 16MHz | 4.75 V to 5.25 V | 11J9434 | --- |
| ● MC68LK332ACEH16 | ... | 132Pins | 16MHz | 3.6 V | 11J9391 | 30.87 |
| ● MC68331CAG16 | ... | 144Pins | 16MHz | 4.5 V to 5.5 V | 11J9407 | --- |
| ● MC68332ACAG16 | ... | 144Pins | 16MHz | 4.75 V to 5.25 V | 11J9415 | --- |
| ● MC68LK332ACAG16 | ... | 144Pins | 16MHz | 3 V to 3.6 V | 11J9390 | --- |
| ● MC68LK332GCAG16 | ... | 144Pins | 16MHz | 3 V to 3.6 V | 11J9392 | --- |
| ● MC68340AB16E | QFP | 144Pins | 16MHz | 3 V to 3.6 V | 11J9451 | 32.19 |
| ● MC68340AG16E | LQFP | 144Pins | 16MHz | 3 V to 3.6 V | 11J9453 | --- |
| ● MC68340AG16VE | LOFP | 144Pins | 16MHz | 3 V to 3.6 V | 11J9455 | --- |
| ● MC68340CAB16E | QFP | 144Pins | 16MHz | 3 V to 3.6 V | 11J9457 | --- |
| ● MC68LC302AF20CT | LQFP | 100Pins | 20MHz | 3 V to 3.6 V | 40K7353 | 37.24 |
| ● MC68331CEH20 | ... | 132Pins | 20MHz | 4.5 V to 5.5 V | 11J9411 | --- |
| ● MC68331CAG20 | ... | 144Pins | 20MHz | 4.5 V to 5.5 V | 11J9408 | --- |
| ● MC68332ACAG20 | ... | 144Pins | 20MHz | 4.75 V to 5.25 V | 11J9416 | --- |
| ● MC68332GCAG20 | ... | 144Pins | 20MHz | 4.75 V to 5.25 V | 11J9429 | --- |
| ● MC68331CEH25 | ... | 132Pins | 25MHz | 4.5 V to 5.5 V | 11J9412 | --- |
| ● MC68332ACEH25 | ... | 132Pins | 25MHz | 4.75 V to 5.25 V | 11J9420 | --- |
| ● MC68332GCEH25 | ... | 132Pins | 25MHz | 4.75 V to 5.25 V | 11J9433 | 30.87 |
| ● MC68332GVEH25 | ... | 132Pins | 25MHz | 4.75 V to 5.25 V | 11J9439 | --- |
| ● MC68332GCAG25 | ... | 144Pins | 25MHz | 4.75 V to 5.25 V | 11J9430 | --- |
| ● MC68331CAG25 | ... | 144Pins | 25MHz | 4.5 V to 5.5 V | 11J9409 | --- |
| ● MC68340AG25E | LOFP | 144Pins | 25MHz | 3 V to 3.6 V | 11J9456 | --- |
| ● MC68340CAB25E | QFP | 144Pins | 25MHz | 3 V to 3.6 V | 11J9458 | --- |

PIM_19435

LOW COST CONTROLLER GRAPHICS PICTAIL PLUS DAUGHTER CARD



LOW COST CONTROLLER GRAPHICS PICTAIL PLUS DAUGHTER CARD (CONT.)

Features

- Can drive QVGA 8bpp with PIC32 alone
- Can drive WQVGA 16bpp with external 256KB SRAM Frame buffer
- Display connector for interfacing with different

- display boards
- PICtail Plus Interface for connecting to Explorer 16 Development Board
- Starter Kit Connector

The Low-Cost Controllerless (LCC) Graphics Pictail Plus Daughter Board enables development of graphics solutions without an external graphics controller, thus reducing system BOM cost for many applications. The board is designed to attach to a PIC32 starter kit (DM320001, DM320003-2, DM320004) or an Explorer16 development board (DM240001) and one of Microchip LCD Modules including the Truly 3.2" QVGA board and the 4.3" WQVGA Powerip display panel.

| Mfg. Part No. | Stock No. | Price Each |
|---------------|-----------|------------|
| AC164144 | 55T1443 | 1+ |

PIM_196694

PIC32 I/O EXPANSION BOARD



The PIC32 I/O Expansion Board provides Starter Kit and Starter Board users with full access to MCU signals, additional debug headers, and connection of PICtail Plus daughter cards. MCU signals are available for attaching prototype circuits or monitoring signals with logic probes. Headers are provided for connecting JTAG tools or Microchip tools using the 2-wire (ICSP) interface.

| Mfg. Part No. | Stock No. | Price Each |
|---------------|-----------|------------|
| DM320002 | 03P1607 | 63.53 |

PIM_136200

STM32F4 HIGH-PERFORMANCE DISCOVERY BOARD



element14



- MP45DT02 ST-MEMS audio sensor omni-directional digital microphone
- CS43L22 audio DAC with integrated class D speaker driver
- Eight LEDs
- Two push-buttons (user and reset)
- USB OTG FS with micro-AB connector
- Extension header for all LQFP100 I/Os
- Comprehensive free software including a variety of examples

STM32F4DISCOVERY helps you to discover the STM32F4 high-performance features and to develop your applications easily. It includes everything required for beginners and experienced users to get started quickly.

| Mfg. Part No. | Description | Stock No. | Price Each |
|--------------------|--|-----------|------------|
| YesSTM32F4DIS-BB | Base Board for the STM32F4 Discovery | 47W1731 | --- |
| YesSTM32F4DIS-CAM | Camera board for the STM32F4 Discovery | 47W1732 | 35.79 |
| YesSTM32F4DIS-LCD | 3.5" LCD board for the STM32F4 Discovery | 47W1734 | 64.19 |
| YesSTM32F4DIS-WIFI | WiFi board for the STM32F4 Discovery | 87W8233 | 30.60 |

PIM_200546

BEAGLEBONE CAPES



Authorized Distributor

BeagleBone Capes are add on boards that can be connected to the BeagleBone to add functionality. BeagleBone is a bare-bones BeagleBoard that acts as a USB or Ethernet connected expansion companion for your current BeagleBoard and BeagleBoard-xM or works stand-alone. The BeagleBone brings full-featured Linux to places it has never gone before.

| Mfg. Part No. | Description | Stock No. | Price Each |
|------------------|--------------------------------|-----------|------------|
| BB-BONE-WTHR-01 | Weather Cape | 26W8122 | --- |
| BB-BONE-BATT-01 | Battery Cape | 27W5797 | --- |
| BB-BONE-MOTOR-01 | Motor Cape with NXT Connectors | 63W3551 | --- |

PIM_207699

PROCESSOR PLUG-IN MODULES



Processor Plug-In Modules are small circuit boards to be used with the various Microchip Development Boards to evaluate PIC and dsPIC devices. These plug into the main processor socket of the development Boards so that different microcontrollers can be used for prototyping, demonstration or development quickly and easily. Microchip development tools such as the MPLAB® REAL ICE™ and MPLAB ICD 2 connect directly to these development boards and provide quick, full-featured hardware/software/firmware development environment using the free MPLAB Integrated Development Environment software.

► CONTINUED ►

► CONTINUED ►

MICROCONTROLLER DEVELOPMENT/EVALUATION KITS

1

PROCESSOR PLUG-IN MODULES (CONT.)

| Mfg. Part No. | Description | Stock No. | Price Each |
|---------------|---|-----------|------------|
| ● MA320001 | PIC32MX360F512L Plug In Module | 73M8723 | --- |
| MA240014 | PIC24FJ256GB110 Plug In Module | 88M9290 | --- |
| MA320002 | PIC32MX450/470 Plug In Module | 88M9291 | --- |
| MA330016 | dspIC33FJ32GP204 Plug In Module | 77M2537 | --- |
| MA330017 | dspIC33FJ32MC204 Plug In Module | 77M2538 | --- |
| ● MA330011 | dsPIC33FJ256MC710A Plug In Module | 40M0533 | --- |
| MA330018 | dsPIC33FJ128MC804 Plug In Module | 07P9495 | --- |
| MA330019 | dsPIC33FJ128GP804 Graphics Plug In Module | 07P9496 | --- |
| ● MA240012 | PIC24HJ256GP610A Plug In Module | 88K5499 | --- |
| MA240013 | PIC24FJ64GA004 Plug In Module | 54M4770 | --- |
| MA240015 | PIC24FJ256GA110 Plug In Module | 98M1509 | --- |
| ● MA330011 | dsPIC33FJ256GP710A Plug In Module | 56K6941 | --- |
| ● MA330012 | dsPIC33FJ256GP710A 80-pin Plug In Module | 56K6942 | --- |
| MA240017 | PIC24F16KA102 Plug In Module | 08R1793 | --- |
| MA180023 | PIC18F46J11 Plug-In Module | 14R8813 | --- |
| MA240019 | PIC24FJ64GB004 Plug In Module | 50R8537 | --- |
| MA240020 | PIC24FJ64GA104 Plug In Module | 50R8538 | --- |
| ● MA320003 | PIC32MX795F512L Plug In Module | 52R9879 | --- |
| MA160012 | PIC16F1937 Plug In Module for PICDEM PIC18 Explorer | 52R9878 | --- |
| MA180026 | PIC18F46K20 44-PIN TQFP Plug In Module | 24R6763 | --- |
| MA180020 | PIC18F87J11 Plug In Module | 77M2534 | --- |
| ● MA300015 | dsPIC30F6010A Plug In Module | 88K5500 | --- |
| ● MA240011 | PIC24FJ128GA010 Plug In Module | 56K6940 | --- |
| MA240016 | PIC24FJ128GP504 Plug In Module | 45P4719 | --- |
| MA330024 | dsPIC33FJ64GS610 Plug In Module | 63R7780 | --- |
| MA180031 | PIC18F46K80 Plug-In Module | 30T2363 | --- |
| MA240025-2 | PIC24EP512GU810 Plug In Module | 55T3260 | --- |
| MA330025-1 | dsPIC33EP512MU810 Plug In Module | 55T3261 | --- |
| MA330025-2 | dsPIC33EP512MU814 Graphics Plug In Module | 55T3262 | --- |
| MA330025-3 | dsPIC33EP512MU814 Plug In Module | 55T3263 | --- |
| MA330027 | Dual Motor Control Plug In Module | 55T3264 | --- |
| MA330032 | dsPIC33FJ32MC104 Plug In Module | 47W6591 | --- |

PIM_113824

MPLAB® ICD 3



Features:

- PICKit 1 Signal Analysis Setup.exe for use with the Signal Analysis Daughter Board V1.0 Link
 - PICkit Signal Analysis User's Guide Link
- The Signal Analysis PICtail™ Daughter Board works as an extension to the PICkit™ 1 Flash Starter Kit. When combined with PICkit 1 firmware version 2.0 or later and the signal-analysis PC program, the Signal Analysis PICtail Daughter Board can perform signal-analysis capabilities such as: real-time strip chart, oscilloscope, Fast Fourier Transformation (FFT), histogram and programming. The Signal Analysis PICtail Daughter Board comes populated with a PIC16F684 and two 25LC640 SPI™ compatible serial EEPROM memory devices.

| Mfg. Part No. | Description | Stock No. | Price Each |
|---------------|--|-----------|------------|
| ● AC164120 | PICtail Signal Analysis Daughter Board | 06J2422 | --- |

PIM_136295

DATAMAN-40PRO UNIVERSAL ISP 40-PIN PROGRAMMER



Features

- Universal 40 pin ZIF socket accepts both 300/600 mil DIP devices up to 40 pin
- Intelligent pin drivers allow varying voltages to be applied to any pin delivering signals without overshoot, increasing programming yield
- Pin drivers operate down to 1.8V so you'll be ready to program the full range of tomorrow's advanced low-voltage devices
- ISP capable using the JTAG interface
- USB 2.0/1.1 connectivity allowing fast and easy connection to PC's and laptops

The Dataman 40Pro universal 40 pin driver is a PC based programmer with in-circuit serial programming (ISP) capabilities and USB 2.0 connectivity. Built to meet the demands of development labs and field engineers it offers fast and powerful programming of a wide range of programmable devices in a small portable package. The 40Pro isn't only a programmer, but also a static RAMs tester.

| Mfg. Part No. | Description | Stock No. | Price Each |
|---------------|-------------|-----------|------------|
| DATAMAN-40PRO | | 89M4593 | 595.00 |

PIM_109710

48PRO2 SUPER FAST UNIVERSAL 48-PIN PROGRAMMER



Features:

- Up to 70% faster programming of highcapacity memory devices
- Over 51,000 devices supported
- Intelligent pin drivers operate down to 1.8V
- ISP capable using the JTAG interface
- Hi-speed USB 2.0 connectivity
- Easy to use software
- Compatible with latest operating systems including Windows 7

Kit Contents:

- Dataman 48Pro2 Super Fast Universal ISP Programmer
- Diagnostic POD for selftest of the programmer
- Anti-dust cover for ZIF socket
- User manual
- Software

The DATAMAN-48PRO2 is a super fast universal 48 pin chip programmer with ISP capabilities and USB 2.0 connectivity. The Dataman 48Pro2 can program without the need for a family specific module, giving the freedom to choose the optimal device for our design. The programmer performs device insertion and contact tests before programming each device. These capabilities, supported by overcurrent protection and signature byte check, help prevent chip damage due to operator error. The 48Pro2 is built to meet the demands of development labs and field engineers for super fast universal programming.

| Mfg. Part No. | Stock No. | Price Each |
|----------------|-----------|------------|
| DATAMAN-48PRO2 | 83R7199 | 1195.00 |

448PRO2 SUPER FAST MULTI-SOCKET GANG PROGRAMMER



Features:

- Up to 70% faster programming of highcapacity memory devices
- Over 51,000 devices supported
- Independent modules supporting concurrent programming
- ISP capable using the JTAG interface
- Hi-speed USB 2.0 connectivity
- Easy to use software
- Compatible with latest operating systems including Windows 7

Kit Contents:

- Programmer
- Moulded USB cable
- (4) ISP cable
- Programmer diagnostic POD
- ISP connector diagnostic POD
- ESD wrist strap w/ cord and banana plug
- Vacuum pen
- User manual
- Software
- Transport case

Super fast universal gang programmer with four independent 48-pin ZIF sockets, ISP capabilities and USB 2.0 connectivity. Independent programming options combine with device insertion tests and a user friendly interface to give higher programming yields and reduced failure rates.

| Mfg. Part No. | Stock No. | Price Each |
|-----------------|-----------|------------|
| DATAMAN-448PRO2 | 83R7198 | --- |

DATAMAN 48PRO2C SUPER FAST UNIVERSAL ISP PROGRAMMER



Features

- Selftest capability
- USB 2.0 high-speed compatible port
- Banana jack for ESD wrist strap connection
- Banana jack for connection to ground
- Powerful microprocessor and FPGA based state machine

The Dataman 48Pro2C is a super fast universal 48-pin chip programmer with ISP capabilities, USB 2.0 connectivity and built to meet the demands of development labs and field engineers for super fast universal programming. This model can program without the need for a family-specific module, giving you the freedom to choose the optimal device for your design.

| Mfg. Part No. | Stock No. | Price Each |
|-----------------|-----------|------------|
| DATAMAN-48PRO2C | 48W1877 | 995.00 |

PIM_209427

MICROCONTROLLER & MEMORY PROGRAMMERS

MPLAB PM3 UNIVERSAL DEVICE PROGRAMMER


MICROCHIP

Features

- RS-232 or USB Interface
- ICSP™ Integrated Circuit Serial Programming
- The MPLAB® PM3 programs Microchip's entire line of PICmicro® MCU devices as well as the latest dsPIC30F DSC devices. The programmer has exceptional programming speed to allow high volume production, and includes a Secure Digital /Multimedia Card slot for easy and secure data storage and transfer. Programmer includes 40 socket pins, allowing each socket module to be configured to support many devices. The socket module adapter (AC164350) allows current PROMATE® II socket modules to be used with the MPLAB® PM3 programmer.

- 3 Operating Modes (PC Host Mode, Safe Mode, Standalone Mode)

MCUS/MPUS, APPS PROCESSORS & DEVELOPMENT TOOLS

1

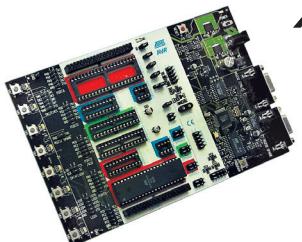
Application Specific & Reference Design Kits

The Scuola Lab is a complete pack of different TinkerKit Modules and Arduino accessories to kickstart your school's Lab.

The Scuola Lab consists in 10 Sensor Shield V.2, 10 Arduino Uno Boards, every kind of sensors and actuators in different quantities, 2 Ethernet Shields, 10 Proto PCBs, 5 Kit Workshop Without Arduino and a copy of "Getting Started With Arduino" by Massimo Banzi.

| Mfg. Part No. | Stock No. | Price Each |
|---------------|-----------|------------|
| ● K000005 | 78T2134 | 1+ |
| PIM_5511953 | | --- |

STK500 AVR STARTER KIT



STK500 starter kit and development system for AVR Flash microcontrollers enables designers to quickly begin AVR code development, engineer prototypes, and test new designs. The kit interfaces with AVR Studio an Integrated Development Environment (IDE) for code writing and debugging.

| Mfg. Part No. | Description | Stock No. | Price Each |
|---------------|------------------------|-----------|------------|
| ● ATSTK500 | STK500 AVR Starter Kit | 68T3407 | 1+ |
| PIM_197940 | | | --- |

CYCRESS PSOC™ 3 DEVELOPMENT KITS



PSOC™ 3 is a single-cycle, pipelined 8-bit 8051 core and a high-performance configurable digital system provides unmatched analog and digital BOM integration with the flexibility to handle late design changes anywhere in the design process. The CY8CKIT-008 PSOC® CY8C29 Family Processor Module Kit can be used in conjunction with the PSOC Development Kit (CY8CKIT-001) to create designs utilizing on-board DVK resources or compatible expansion boards. This kit provides you with an additional processor module to use with different projects. The CY8CKIT-001 PSOC® Development Kit (DVK) provides a common development platform where you can prototype and evaluate different solutions using any one of the PSOC 1, PSOC 3, PSOC 4, or PSOC 5 architectures.

| Mfg. Part No. | Description | Stock No. | Price Each |
|----------------|--|-----------|------------|
| ● CY8CKIT-008 | PSOC® CY8C29 Family Processor Module Kit | 26R2366 | --- |
| ● CY8CKIT-001C | PSOC® Development Kit | 56W4907 | --- |

Accessories

| Mfg. Part No. | Description | Stock No. | Price Each |
|-----------------|---|-----------|------------|
| YesCY8CKIT-002 | PSOC® MiniProg3 Program and Debug Kit | 26R2364 | 92.82 |
| YesCY8CKIT-029A | PSOC® LCD Segment Drive Expansion Board | 58T0042 | --- |

PIM_155085

MPLAB® STARTER KIT FOR PIC18F MCU FAMILY



Features

- PIC18F46J50 MCU with 64KB Flash
- 4KB RAM
- XLP low power
- mTouch touch sensing
- USB.

The PIC18F Starter Kit contains everything needed to experience the high performance and versatility of the PIC18F microcontroller family. It includes an on-board debugger/programming capability as well as USB communication, a capacitive touch pad, potentiometer, acceleration sensor, MicroSD™ memory card, and an OLED display. The board can function as a USB mouse, joystick or mass storage device (thumb drive) all using the on-board capacitive touch sense pads.

► CONTINUED ►

MPLAB® STARTER KIT FOR PIC18F MCU FAMILY (CONT.)

| Mfg. Part No. | Stock No. | Price Each |
|---------------|-----------|------------|
| DM180021 | 29R0931 | 1+ |
| PIM_156280 | | --- |

STM8 SERIES 8-BIT DEVELOPMENT TOOLS

STM8L and STM8S microcontrollers are supported by a complete range of high-end and low-cost development tools. This complete line includes evaluation, software, debugging and programming tools.

| Mfg. Part No. | Description | Stock No. | Price Each |
|--------------------|--|-----------|------------|
| ● STM8/128-EVAL | Audio Play and Record, IrDA Transceiver, LIN Communication | 57P1437 | --- |
| ● STM8/128-SK/RAIS | In-Circuit Debugger/Programmer, USB Interface to Host PC | 57P1438 | --- |
| ● STM8L101-EVAL | MicroSD Card, I2C+SPI+USART+SWIM debug support, RS-232 Communication | 55R6965 | --- |

PIM_148873

EXPLORER16 DEVELOPMENT BOARDS



Features

- Includes processor PIMs for both PIC24 and dsPIC families
- Alpha-numeric 16 x 2 LCD display
- Interfaces to MPLAB ICD 3, MPLAB REAL ICE and RS-232
- Includes Microchip's TC1047A high accuracy
- analog output temperature sensor
- Expansion connector to access full devices pin-out and bread board prototyping area
- PICtailTM Plus connector for expansion boards
- Full documentation in download section below: user's guide, schematics

The Explorer 16 Development Board is a low-cost modular development system for Microchip's 16-bit and 32-bit microcontrollers. It supports devices from the PIC24, dsPIC and PIC32 families. A variety of families are supported with processor Plug-In Modules (PIMs) for easy device swapping. The board includes a PICtail Plus daughter card connector for expansion boards including USB, CAN, Ethernet, wireless, graphics and many more. Coupled with the MPLAB ICD 3 In Circuit Debugger or MPLAB REAL ICE, real-time emulation and debug facilities speed evaluation and prototyping of application circuitry.

| Mfg. Part No. | Description | Stock No. | Price Each |
|---------------|-------------|-----------|------------|
| DM240002 | 44 Pin PIM | 54M4471 | 1+ |
| PIM_87543 | | | --- |

PIC24F ACCESSORY DEVELOPMENT STARTER KIT FOR ANDRIOD



Features

- PIC24F 16-bit PIC® MCU with USB OTG
- Type A USB connector
- User interface buttons
- LEDs and potentiometer
- Device charger circuitry up to 500mA
- Arduino footprint compatible for prototyping

The Microchip PIC24F Accessory Development Start Kit for Android™ is a standalone board used for evaluating and developing electronic accessories for Google's Android operating system for smartphones and tablets. This kit provides all of the tools and resources required to get an accessory developer quickly started on Android devices. The platform provides a library for accessing and talking to Android devices through the accessory framework found in the Android OS versions 2.3.4, 3.1 and later.

| Mfg. Part No. | Stock No. | Price Each |
|---------------|-----------|------------|
| DM240415 | 47T4879 | 1+ |
| PIM_200551 | | --- |

MCUS/MPUS, APPS PROCESSORS & DEVELOPMENT TOOLS

EXPLORER 16 STARTER KIT W/ MPLAB ICD 3



MPLAB ICD 3 with Explorer 16 Kit is a complete set of tools for application development using Microchip PIC24F, PIC24H, and dsPIC33 16-bit MCUs. It also includes a 9V universal power supply for the Explorer 16 Development Board, a PIC24FJ128GA010 and a dsPIC33F256GP710 device (mounted on plug-in modules for quick replacement). Also included with the kit is Microchips MPLAB IDE, MPLAB C Compiler for 16-bit devices Lite Edition, tutorials and user manuals on CD-ROM. The complete kit introduces the developer to Microchips family of 16-bit microcontrollers with all the tools for writing code in C, hardware debugging the application and programming devices.

| Mfg. Part No. | Description | Stock No. | Price Each |
|---------------|--|-----------|------------|
| DV164037 | Explorer 16 starter kit w/ mplab icd 3 | 25R7377 | --- |

PIM_176996

MICROSTICK II



Features

- Low Cost
- Integrated USB programmer / debugger
- USB Powered
- MPLAB support
- DUT Socket
- 0.025" Pin headers
- Easy access to all device signals for probing
- Small size, easily Portable
- On board user LED and reset switch

- Free demo code
- Kit contents
 - Microstick II Board
 - USB Cable
 - 1x14 header pins (2)
 - PIC24FJ64GB002
 - PIC24HJ64GP502
 - dsPIC33FJ64MC802
 - PIC32MX220F032
 - Guides and instructions

Microstick II delivers a complete development hardware platform for 16-bit and 32-bit PIC MCUs and dsPICs. It's the perfect solution to those looking for a low-cost, easy-to-use development platform. The USB-powered kit includes an on-board debugger/programmer, a DUT socket for easy device swapping, a user LED and reset button. It is designed for insertion into a standard prototyping board for easy connection to additional circuitry. The kit is extremely portable as well and is still about the size of a stick of gum!

| Mfg. Part No. | Description | Stock No. | Price Each |
|---------------|---------------|-----------|------------|
| DM330013-2 | Microstick ii | 66T7937 | 40.12 |

PIM_198007

MSP430 LAUNCHPAD VALUE LINE DEVELOPMENT KIT



Authorized Distributor



RoboCompliant Available

LaunchPad

MSP-EXP430G2 LaunchPad is an easy-to-use flash programmer and debugging tool that provides everything you need to start developing on MSP430 Value Line devices. It includes a 14-/20-pin DIP socketed target board with integrated emulation to quickly program and debug MSP430 Value Line devices in-system through the Spy Bi-Wire (2-wire JTAG) protocol. The flash memory can be erased and programmed in seconds with no external power supply required due to the MSP430's ultra-low power flash. LaunchPad interfaces MSP430 devices to an free and unrestricted integrated software environment such as Code Composer Studio Version 4 or IAR Embedded Workbench for all MSP430G2xx flash parts in a 14 or 20 pin DIP package.

| Mfg. Part No. | Stock No. | Price Each |
|---------------|-----------|------------|
| MSP-EXP430G2 | 77R3863 | --- |

PIM_178813

MSP430F5438 EXPERIMENTER BOARD



Authorized Distributor



Features

- 100-pin socket for MSP430F5438
- 256KB Flash Memory
- 16KB RAM
- 18MHz Clock Speed
- 4x UART/LIN/I2C/SPI
- 5-position joystick (up, down, left, right, push down)
- 138x110 grayscale dot-matrix LCD
- 3-Axis Accelerometer (ADXL330)
- Microphone (Amplified by TLV2760)

MSP430F5438 experimenter board is a development platform for the latest generation MSP430 MCUs. The experimenter board helps designers quickly learn and develop using the new F5xx MCUs, which provide low active power consumption, more memory and leading integration for applications such as energy harvesting, wireless sensing and automatic metering infrastructure (AMI). A Flash Emulation Tool, like the MSP-FET430UIF, is required to program and debug the MSP430 devices on the experimenter board.

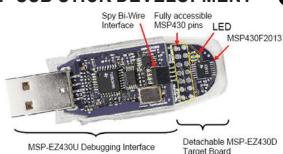
| Mfg. Part No. | Stock No. | Price Each |
|-----------------|-----------|------------|
| MSP-EXP430F5438 | 09R4951 | --- |

PIM_148811

MSP430F2013 EZDSP USB STICK DEVELOPMENT TOOL



Authorized Distributor



Features:

- eZ430-F2013 development tool including a USB debugging interface and detachable MSP430F2013 target board
- LED indicator
- Removable USB stick enclosure
- Debugging interface supports development with all MSP430F20xx devices
- Integrated IAR Kickstart user interface which includes an assembler, linker, simulator, source-level debugger and limited C-compiler
- Full documentation on CD-ROM

The **eZ430-F2013** is a complete **MSP430** development tool including all the hardware and software to evaluate the **MSP430F2013** and develop a complete project in a convenient USB stick form factor. The IAR Embedded Workbench Integrated Development Environment (IDE) provides full emulation with the option of designing with a stand-alone system or detaching the removable target board to integrate into an existing design. The USB port provides enough power to operate the ultra-low-power **MSP430** so no external power supply is required.

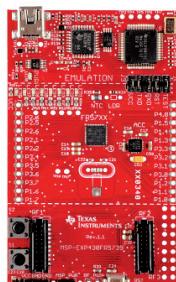
| Mfg. Part No. | Description | Stock No. | Price Each |
|---------------|--|-----------|------------|
| EZ430-F2013 | Msp430f2013 ezdsp usb stick development tool | 87K7632 | --- |

PIM_109980

MSP-EXP430FR5739 EXPERIMENTERS BOARD



Authorized Distributor



- MSP430FR5739, 16Bit, 16KB FRAM, 8MHz
- 3 axis accelerometer
- NTC Thermister
- 8 Display LED's
- Footprint for additional through-hole LDR sensor
- 2 User input Switches
- Connection to MSP-EXP430F5438
- Connection to most Wireless Daughter Cards (CCxxx RF)

MSP-EXP430FR5739 Experimenter Board is a development platform for the MSP430FR57xx devices which features integrated Ferroelectric Random Access Memory (FRAM). MSP430FR57xx MCUs provides very low overall power consumption, fast data read / write and unbeatable memory endurance. The Experimenter Board can evaluate and drive development for data logging applications, energy harvesting, wireless sensing, automatic metering infrastructure (AMI) and many others. The MSP430FR5739 device on the experimenter board can be powered and debugged via the integrated ezFET, or via TI Flash Emulation Tool, like the MSP-FET430UIF.

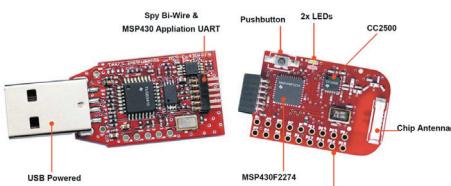
| Mfg. Part No. | Stock No. | Price Each |
|------------------|-----------|------------|
| MSP-EXP430FR5739 | 45T9740 | --- |

PIM_200565

MCUS/MPUS, APPS PROCESSORS & DEVELOPMENT TOOLS

1

EZ430-RF2500 WIRELESS DEVELOPMENT TOOLS



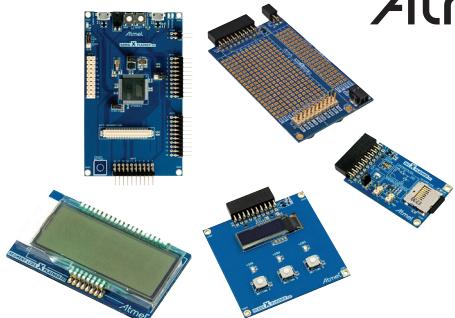
Features

- CC2500 - 2.4 GHz, ISM band multi-channel low power transceiver
- 2 LEDs
- 1 pushbutton
- Supports development with some 2xx Spy Bi-Wire devices (refer to Table 1-1 in MSP430 Hardware Tools User's Guide for complete compatibility list)

The EZ430-RF2500 is a complete wireless development tool for the MSP430 and CC2500 that includes all the hardware and software required to develop an entire wireless project with the MSP430 in a convenient USB stick. The tool includes a USB-powered emulator to program and debug your application in-system and two 2.4-GHz wireless target boards featuring the highly integrated MSP430F2274 ultra-low-power MCU. Projects may be developed and instantly deployed using the included battery expansion board and AAA batteries. All the required software is included such as a complete Integrated Development Environment and SimpliciTI, a propriety low-power star network stack, enabling robust wireless networks out of the box.

| Mfg. Part No. | Stock No. | Price Each |
|---------------|-----------|------------|
| EZ430-RF2500 | 55M5474 | 1+ |
| PIM_102142 | | --- |

XPLAINED PRO MCU EVALUATION KITS



Xplained Pro kits provide everything needed to start designing new microcontroller (MCU) based applications in minutes. These boards are easy to connect using an embedded debugger through USB, easy to develop with automatic recognition in Atmel Studio 6 integrated development platform (IDP), easy to extend with hardware extension boards and a large set of software drivers and components. Xplained Pro kits are available as evaluation kits for evaluating MCUs and developing with example projects in the Atmel Studio IDP, starter kit bundle of MCU and extension boards for rapid application prototyping and development with Atmel Studio and Atmel Software Framework.

This kits are available with the following MCUs:

ATmega256RFR2 MCU: An IEEE 802.15.4 compliant single chip combines an industry-leading AVR microcontroller and best-in-class 2.4GHz RF transceiver. It offers the industry's highest RF performance for single chip devices, with a link budget of 103.5dBm while consuming 50% less current than the existing offerings.

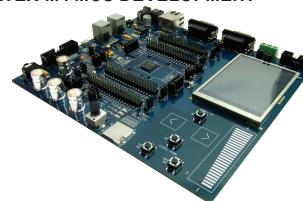
SAM4LC4 MCU: A member of the Microchip's SAM4L family of flash microcontrollers based on the ARM® Cortex®-M4 processor, the ATSAM4LC4C delivers the lowest power in active mode (90uA/MHz) as well as sleep mode (1.5uA) and the shortest wake-up time (down to 1.5us) in a Cortex-M4-based device.

SAM4SD32 MCU: A Flash Cortex-M4 processor-based MCU, ideal for industrial and consumer applications requiring high memory densities. Along with its unsurpassed 2MB of Flash, the SAM4SD32 provides high performance, low power and ease of use.

| Mfg. Part No. | Description | Stock No. | Price Each |
|----------------------|----------------------------------|-----------|------------|
| ● ATMEGA256RFR2-XPRO | ATmega256RFR2 MCU Evaluation Kit | 66W5519 | --- |
| ● ATMEGA256RFR2-XSTK | ATmega256RFR2 MCU Starter Kit | 66W5520 | --- |
| ● ATSAM4S-XPRO | ATSAM4SD32C MCU Evaluation Kit | 66W5525 | --- |
| ● ATSAM4S-XSTK | ATSAM4SD32C MCU Starter Kit | 66W5526 | --- |

PIM_209464

SAM4E ARM COERTEX-M4 MCU DEVELOPMENT BOARD



Features:

- SAM4E16 chip BGA144 package with optional socket footprint
- NAND Flash
- 2.8 inch TFT color LCD display with touch panel and backlight
- Ethernet physical transceiver layer with RJ45 connector
- UART port with RS232 driver
- ZigBee connector
- QTouch buttons: Left, Right and Slider

ATSAM4E-EK is a evaluation kit for rapid development on the SAM4E microcontroller. It introduces system level concepts, such as power distribution, memory, and interface assignments. The SAM4E-EK board is based on the integration of an ARM Cortex-M4 processor with on board NAND Flash and a set of popular peripherals. Equipped with a 10/100 Mbps Fast Ethernet physical layer transceiver. It contains the entire physical layer functions of 100BASE-TX as defined by IEEE 802.3u. Board is designed to provide a high performance processor evaluation solution with high flexibility for various kinds of applications.

| Mfg. Part No. | Stock No. | Price Each |
|---------------|-----------|------------|
| ● ATSAM4E-EK | 69W975 | 1+ |
| PIM_212476 | | --- |

SAM4L ARM CORTEX-M4 MCU DEVELOPMENT BOARD



Features:

- ATSAM4LC4C Cortex-M4 device
- OLED color display
- QTouch slider and button
- Segment LCD (4x40)
- Wireless 10-pin interface
- Light sensor
- Audio jack connector

This kit lets designers quickly evaluate and develop code for applications running on Atmel SAM4L microcontrollers. The board features an embedded debugger, dedicated circuitry to measure the power consumption of your application, LCD, USB, capacitive touch functionality and much more. It also offers expansion headers to plug in Atmel extension boards so you can easily add gyroometers, accelerometers, WiFi and Zigbee to your SAM4L-EK.

| Mfg. Part No. | Stock No. | Price Each |
|---------------|-----------|------------|
| ● ATSAM4L-EK | 55W5854 | 1+ |
| PIM_212477 | | --- |

FULL-FEATURED SAMA5D3 CORTEX A5 MCU EVALUATION PLATFORMS



Kit Contents

- 5" display module (not included with SAM-A5D35-EK)
- Power supply
- USB cable
- Crossed ethernet cable

The Atmel | SMART SAMA5D3 series is a high-performance, power-efficient embedded MPU based on the ARM Cortex-A5 processor, achieving 536 MHz with power consumption levels below 0.5 mW in low-power mode. The device features a floating point unit for high-precision computing and accelerated data processing, and a high data bandwidth architecture. It integrates advanced user interface and connectivity peripherals and security features.

The SAMA5D3 evaluation kits enable you to fully evaluate SAMA5D3 devices. The kits are pre-loaded with Linux and Qt. Except for the SAM5D35-EK, all boards feature a 5" WVGA display module.

| Mfg. Part No. | Description | Stock No. | Price Each |
|-----------------|--|-----------|------------|
| ● ATSAMA5D31-EK | Evaluation Kit for ATSAMA5D31 ARM Cortex-A5 Processor Based Embedded Microprocessor Unit | 66W6047 | --- |
| ● ATSAMA5D33-EK | Evaluation Kit for SAMA5D33 microprocessor | 66W6048 | --- |
| ● ATSAMA5D34-EK | Evaluation Kit for SAMA5D34 microprocessor | 66W6049 | --- |
| ● ATSAMA5D35-EK | Evaluation Kit for SAMA5D35 microprocessor | 66W6050 | --- |

PIM_209465

MCUS/MPUS, APPS PROCESSORS & DEVELOPMENT TOOLS

SAM D20 XPLAINED PRO EVALUATION KIT

Features:

- SAMD20J18 Cortex-M0+ MCU
- Xplained Pro extension headers
- Embedded Debugger
- 32.768kHz crystal
- Program/debug interface for external targets

The SAM D20 Xplained Pro evaluation kit is ideal for evaluation and prototyping with the SAM D20 Cortex™-M0+ processor-based microcontrollers. Extension boards to the SAM D20 Xplained Pro can be purchased individually.

The ATSAMD20-XPRO evaluation kit does not include extension boards.

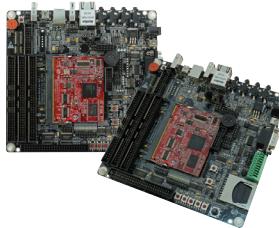


LPCXPRESSO EVALUATION BOARDS FOR LPC SERIES MCUS (CONT.)

| Mfg. Part No. | Description | Stock No. | Price Each |
|---------------|------------------------------|-----------|------------|
| ● OM11083,598 | EA LPCXpresso BaseBoard | 72R6117 | --- |
| ● OM13035,598 | LPCXpresso Board for LPC1115 | 46W5453 | --- |
| ● OM11048,598 | LPCXpresso Board for LPC1343 | 72R6114 | --- |
| ● OM13045,598 | LPCXpresso Board for LPC1347 | 46W5461 | 20.19 |
| ● OM13053,598 | LPCXpresso Board for LPC812 | 48W7346 | --- |
| ● OM13009,598 | LPCXpresso Motor Control Kit | 46W5432 | --- |

PIM_178495

LPC177x/178x EVALUATION BOARD MODULES



STK600 AVR STARTER KIT



STK600 is a complete starter kit and development system for the 8-bit and 32-bit AVR microcontrollers that gives designers a quick start to develop code on the AVR, with advanced features for prototyping and testing new designs. The AVR device connects to the board using an innovative routing and socketcard sandwich system, which routes the signals from the device to the appropriate hardware. The system consists of a generic socketcard, on which the AVR device is inserted, and a device specific signal routing card, which routes the signals from the socket pins to the different functions on the main board dependant on the device.

| Mfg. Part No. | Stock No. | Price Each |
|---------------|-----------|------------|
| ● ATSTK600 | 68T3413 | 267.74 |

PIM_197941

UC3-A3 XPLAINED EVALUATION KIT



The UC3-A3 Xplained kit features the AT32UC3A3256 device which is optimized for high speed communication and protocol conversion. The AVR device offers a Hi-Speed USB device and mini host, 256KB Flash, 128KB of high speed SRAM, external SDRAM and NAND Flash ports, dual SD card ports and a rich selection of communication ports. The UC3-A3 Xplained kit features a Hi-Speed USB Port, one 64Mbit SDRAM, four LEDs, QTouch slider and button, NTC temperature sensor, analog filter, and 4 I/O expansion ports. The kit can be programmed and debugged using any AVR debugger, including the JTAGICEmkII and AVR ONE.

| Mfg. Part No. | Stock No. | Price Each |
|------------------|-----------|------------|
| ● AT32UC3A3-XPLD | 68T4493 | --- |

PIM_197934

LPCXPRESSO EVALUATION BOARDS FOR LPC SERIES MCUS



Target Board

Features

- Eclipse-based IDE using very low-cost target boards.
- The target boards comes with an integrated JTAG Debugger. No need for a separate debug probe!
- Easy upgrade options to full-blown suites (from Code Red) and hardware kits (from Embedded Artists).
- End-to-end solution for creating applications all the way from evaluation through to production.

LPCXpresso™ is a low-cost development platform supporting ARM-based LPC microcontrollers. LPCXpresso is an end-to-end solution enabling embedded engineers to develop their applications from initial evaluation to final production. The platform is comprised of a simplified Eclipse-based IDE and low-cost target boards which include an attached JTAG debugger. Designed for simplicity and ease of use, the LPCXpresso IDE (powered by Code Red) will provide software engineers a quick and easy way to develop their applications.

► CONTINUED ►

Your
**DEVELOPMENT
DISTRIBUTOR**

Supporting your journey at
every stage

EDUCATION & MAKERS

RESEARCH & DESIGN

PROTOTYPE & TEST

PRODUCTION & MAINTENANCE

PIM_5793904

MCUS/MPUS, APPS PROCESSORS & DEVELOPMENT TOOLS

1

STM32 F3 SERIES DISCOVERY KIT



Features

- STM32F303VCT6 microcontroller w/ 256 KB Flash, 48 KB RAM in an LQFP100 package
- On-board ST-LINK/V2 w/ a standalone mode for programming and debugging
- Power through USB bus or external 3 / 5 V supply

STM32F3DISCOVERY helps you to discover the STM32 F3 series Cortex-M4 mixed-signals features and to develop your applications easily. It includes everything required for beginners and experienced users to get started quickly. Based on the STM32F303VCT6, it includes an ST-LINK/V2 embedded debug tool, accelerometer, gyroscope and e-compass ST MEMS, USB connection, LEDs and pushbuttons.

| Mfg. Part No. | Stock No. | Price Each |
|--------------------|-----------|------------|
| | | 1+ |
| ● STM32F3DISCOVERY | 43W6526 | 14.74 |

PIM_208039

STELLARIS - LM3S8962 ETHERNET+CAN EVALUATION KIT



Features:

- Stellaris LM3S2965 microcontroller with fully-integrated CAN module
- Standalone CAN device board using Stellaris LM3S2110 microcontroller
- Simple setup: USB cable provides serial communication, debugging, and power
- OLED graphics display
- User LED, navigation switches, and select pushbuttons
- Magnetic speaker
- LM3S2965 I/O available on labeled break-out pads

The Stellaris® LM3S8962 Ethernet+CAN Evaluation Kit is a compact and versatile evaluation platform for the Stellaris LM3S8962 ARM® Cortex™-M3-based microcontroller. The evaluation kit design highlights the LM3S8962 microcontroller's integrated CAN and 10/100 Ethernet controllers.

| Mfg. Part No. | Description | Stock No. | Price Each |
|----------------|--------------------------------------|-----------|------------|
| | | | 1+ |
| ● EKT-LM3S8962 | With Code Red Technologies Red Suite | 45P3419 | --- |

PIM_138974

Stellaris® EVALBOT ROBOTIC EVALUATION KIT WITH FIVE TOOL OPTIONS



Features

- Evaluation board with robotic capabilities
- Mechanical components assembled by user
- Stellaris® LM3S9B92 microcontroller
- MicroSD card connector
- I2S audio codec with speaker
- USB Host and Device connectors
- RJ45 Ethernet connector
- Bright 96 x 16 blue OLED display
- On-board In-Circuit Debug Interface (ICDI)
- Battery power (3 AA batteries) or power through USB
- Wireless communication expansion port
- Two DC gear-motors provide drive and steering
- Opto-sensors detect wheel rotation with 45° resolution
- Sensors for "bump" detection

► CONTINUED ►

Stellaris® EVALBOT ROBOTIC EVALUATION KIT WITH FIVE TOOL OPTIONS (CONT.)

EVALBOT is a Stellaris® LM3S9B92 EVALBOT robotic evaluation board supported by StellarisWare® and for use with Keil Tools, IAR Tools, CodeSourcery Tools, Code Red Technology, or Code Composer Studio as a robotic evaluation platform for the Stellaris LM3S9B92 microcontroller. Experience the Stellaris ARM Cortex-M3-based LM3S9B92 microcontroller in real-world applications that leverage the processor's integrated 10/100 Ethernet MAC/PHY, USB On-The-Go, CAN, and motion control capabilities. The board also features a range of analog components for motor drive, power supply, and communications functions. After a few minutes of assembly, the EVALBOT's electronics are ready-to-run.

| Mfg. Part No. | Description | Stock No. | Price Each |
|----------------|---|-----------|------------|
| | | | 1+ |
| EKT-EVALBOT | W/ Code Red Technology Tools | 39T0827 | --- |
| EKC-EVALBOT | W/ Code Sourcery Tools | 39T0823 | --- |
| EKI-EVALBOT | W/ IAR Tools | 39T0824 | --- |
| EKK-EVALBOT | W/ Keil Tools | 39T0825 | --- |
| EKB-Ucos3-Bndl | W/ Micrium's µC/OS-III: The Real-Time Kernel Book | 84R8216 | --- |

PIM_196582

TMS320F28335 EZDSP STARTER KIT



Features

- TMS320F28335 Floating-Point Digital Signal Controller(DSC)
- 150 MHz operation
- 512 KB on-chip flash memory
- 68 KB on-chip RAM
- 12-bit ADC with 16 input channels
- 128x 16 off-chip SRAM
- Clamshell socket for the F28335 DSC
- RS-232 interface with on-board transceiver and 9-pin DSUB connector
- CAN interface with on-board transceiver and 9-pin DSUB connector
- Multiple expansion connectors provide access to all F28335 I/O signals
- Embedded USB JTAG Controller
- Operates from a single 5V supply with provided AC adapter
- IEEE 1149.1 JTAG emulation connector

The F28335 ezdsp starter kit is a complete software development platform for the TMS320F2833x series of floating-point Digital Signal Controllers. The ezdsp kit includes an F28335 target board that features integrated JTAG emulation, 128Kx16 asynchronous SRAM, CAN 2.0 and RS-232 interfaces, and expansion headers that provide access to all F28335 I/O signals. Also included in the kit is the Code Composer Studio® Integrated Development Environment, USB interface to the host PC, and a universal power supply.

| Mfg. Part No. | Stock No. | Price Each |
|---------------|-----------|------------|
| | | 1+ |
| TMDSEZ28335 | 12P7914 | --- |

PIM_102146

TMS320F2812 eZdsp™ STARTER KIT



Features

- 18K words RAM
- 128K words on chip Flash ROM
- 64K words on board RAM
- 5V only operation with supplied adapter
- 3 Expansion connectors
- Onboard IEEE 1149.1 JTAG controller

The F2812 eZdsp™ is an excellent platform to develop, demonstrate, and run software for the F2812 digital signal processor, offering stand alone capability to determine if this DSP meets application requirements by examining certain characteristics. With a single chip parallel port to onboard JTAG scan controller, no additional development tools, such as emulators, are needed.

| Mfg. Part No. | Description | Stock No. | Price Each |
|---------------|--|-----------|------------|
| | | | 1+ |
| TMDSEZS2812 | eZdsp Starter Kit - 64K words of External Memory | 01J0911 | --- |

PIM_105689

MCUS/MPUS, APPS PROCESSORS & DEVELOPMENT TOOLS

C2000 PICCOLO LAUNCHPAD

Features:

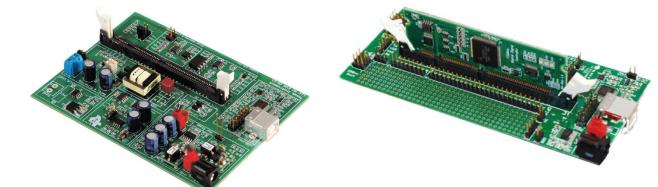
- Pre-programmed C2000 Piccolo F28027 MCU
- Built in isolated XDS100 JTAG Emulator enables real-time in-system programming and debugging via USB
- CPU reset button and programmable push button
- Enables development on any Piccolo F2802x device
- Free unrestricted version of Code Composer Studio integrated development environment (IDE) v5
- Free download of controlSUITE™ software with examples, libraries, application software and more

Kit Contents:

- C2000 Piccolo LaunchPad Evaluation Board (LAUNCHXL-F28027)
- Mini USB Cable
- Quick Start Guide

The C2000 Piccolo LaunchPad evaluation kit, based on the F28027 microcontroller (MCU), is a modular, quick-launch evaluation kit that contains device, emulation and software to explore the latest digital control techniques in areas such as power, lighting and motor control.

| Mfg. Part No. | Stock No. | Price Each |
|-----------------|-----------|------------|
| 1+ | | |
| LAUNCHXL-F28027 | 26W7560 | --- |
| PIM_207662 | | |

C2000 SERIES MCU DEVELOPMENT KITS

The C2000 MCU family enables uncompromising performance for a variety of real-time control applications such as motor control, digital power supplies, solar and renewable energy, LED lighting, smart grid, radar and more.

The new C2000 Experimenter Kits from Texas Instruments are ideal products for OEMs to use for initial device exploration and testing. The 2808 Experimenter Kit has a docking station with access to all controlCARD signals, breadboard areas and RS-232, JTAG connectors, and features on board USB JTAG emulation.

The C2000 Resonant DC/DC Developer's Kit is an designed to show users how to design a digitally controlled resonant converter. Based on a single transformer LLC resonant DC/DC converter design, the EVM supports four different feedback methods, loss less current sensing for fault protection, and an active load for transient response tuning.

| Mfg. Part No. | Description | Stock No. | Price Each |
|---------------|--------------------------------------|-----------|------------|
| | | | 1+ |
| TMDSDRESDCKIT | C2000 Resonant DC/DC Developer's Kit | 52P6799 | --- |
| TMDSDOCK2808 | C2000 TMS320F2808 Experimenter Kit | 11N9808 | --- |

PIM_148779

DELFINO SERIES MCU DEVELOPMENT KITS

The C2000 Peripheral Explorer Kit enables new C2000 users and university students to easily learn how to use all of the advanced peripherals on a C2000 microcontroller. The kit includes an F28335 controlCARD and a baseboard with all the hardware necessary to interact with the peripherals. The kit also includes a Teaching ROM, with over 15 labs detailing the F28335.

The C2000 Experimenter Kit is based around the C2000 Delfino™ TMS320F28335 MCU, which features a 150 MIPS processing core with floating point support, 512 KB integrated flash, 18 PWM channels with high resolution capability, 12-bit 12.5 MSPS ADC, capture interfaces, QEP interfaces, serial connectivity, and more.

| Mfg. Part No. | Description | Stock No. | Price Each |
|---------------|--|-----------|------------|
| | | | 1+ |
| TMDSPREX28335 | Delfino C28335 Peripheral Explorer Kit | 52P6798 | --- |
| TMDSDOCK28335 | Delfino F28335 Experimenter Kit | 11N9809 | --- |

PIM_148769

**MPLAB STARTER KIT FOR PIC24E MCU FAMILY**

The PIC24E USB Starter Kit provides a low cost method for the development and testing of USB OTG, Host and Device applications on the 60 MIPS PIC24E MCU family. The board contains an on-board programming/debugger, standard A USB and micro A/B connectors, three user-programmable LEDs, three push button switches and an expansion header compatible with the Multimedia Expansion Board (DM320005) and I/O Expansion Board (DM320002). The starter kit comes preloaded with basic Communication Device Class (CDC) demonstration software.

| Mfg. Part No. | Stock No. | Price Each |
|---------------|-----------|------------|
| 1+ | | |
| DM240012 | 55T2291 | --- |
| PIM_207450 | | |

dsPICDEM™ MCLV-2 DEVELOPMENT BOARD

The dsPICDEM MCLV Development Board is targeted to control a Brushless DC (BLDC) motor or Permanent Magnet Synchronous Motor (PMSM) in sensor or sensorless operation. This board can be configured in different ways for use with specialized motor control digital signal controllers. The dsPICDEM MCLV Development Board supports the dsPIC33F motor control device family. It offers a mounting option to connect either a 28-pin SOIC device or a generic 100-pin Plug-In Module (PIM). The board also has a three-phase inverter bridge circuit. The circuit drives a BLDC or PMSM motor using different control techniques without requiring any additional hardware.

| Mfg. Part No. | Stock No. | Price Each |
|--|-----------|------------|
| 1+ | | |
| Power Management - Motor Control, BLDC Motor | 28W5783 | --- |
| DM30021-2 | | |

MSP430 PROGRAMMING AND DEBUGGING TOOLS

The MSP430 is a mixed-signal microcontroller family from Texas Instruments. Built around a 16-bit CPU, the MSP430 is designed for low cost and, specifically, low power consumption[1] embedded applications.

The **MSP-TS430PZ100A** is a standalone ZIF socket target board used to program and debug the MSP430 MCU in-system through the JTAG interface or the Spy Bi-Wire (2-wire JTAG) protocol. The **MSP-FET430PIF** is a Parallel Port interface (does not include target board) that is used to program and debug MSP430 FET tools and test boards through the JTAG interface. This interface uses a Parallel PC Port to communicate to the Debugger Software (IAR Kickstart software included) running on the PC.

| Mfg. Part No. | Stock No. | Price Each |
|----------------------------------|-----------|------------|
| 1+ | | |
| Debugger / Programmer | | |
| MSP-FET430PIF | 98J0246 | --- |
| In-Circuit Emulator / Programmer | | |
| MSP-FET430U100A | 24R9816 | --- |
| PIM_74625 | | |

MCUS/MPUS, APPS PROCESSORS & DEVELOPMENT TOOLS

1

PICCOLO MCU BASED DC/DC LED SEPIC DEVELOPER'S KIT

Kit Contents

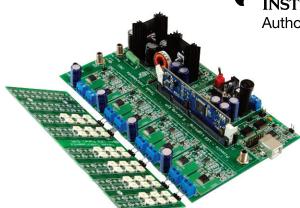
- DC/DC LED lighting power board
- Piccolo F28035 controlCARD
- LED panel
- 12V power adapter
- Banana Plug Cable
- USB Cable
- USB drive with GUI executable
- CCS4 Installation CD

LED DC/DC Developer's Kit includes all of the hardware and software to start experimenting and developing a digitally controlled LED DC/DC system.

The kit is based on the Piccolo microcontroller and the controlCARD development platform. One Piccolo MCU is able to directly control the DC/DC power stage as well as eight LED strings. The development board takes 12-36V DC of input and uses a SEPIC DC/DC topology to buck or boost the input voltage to a desired level. This voltage is then fed to four LED driving stages, each capable of driving two LED strings at up to 30 watts each. The kit includes closed loop, open source software for both the DC/DC stage and the LED lighting stage.

| Mfg. Part No. | Stock No. | Price Each |
|----------------|-----------|------------|
| TMDSDCDCLEDKIT | 74R6607 | --- |

PIM_194376


TEXAS INSTRUMENTS
Authorized Distributor


CC430 WIRELESS DEVELOPMENT TOOL


TEXAS INSTRUMENTS
Authorized Distributor


Features

- 2 XCC430F6137
- AES-128 hardware encryption module
- 96 segment LCD Driver
- 1 USCI (UART, 2xSPI, I2C, IrDA)
- 12-bit ADC, 200 kbps
- 2 LEDs / CC430 wireless target board
- 2 pushbuttons / CC430 wireless target board

Kit Contents

- 18 4x2 pin headers
- 2 AAA battery packs with 2-wire power connectors
- 2 CC430 wireless target boards
- 2 868/915 MHz Antennas
- Software
- Full Documentation

EM430F6137RF900 is a complete wireless development tool for the CC430 that includes all the hardware required to develop an entire wireless project. The sample kit includes two sub-1GHz wireless target boards (including antennas) featuring the highly integrated MSP430F6137IRGC RF System-on-chip. Projects may be developed and instantly deployed using the included batteries. The EM430F6137RF900 development board supports all CC430F613x and CC430F612x flash parts in the 64-pin QFN (RGC) package. It also supports software development for the CC430F513x parts (48-pin QFN (RGZ) package).

| Mfg. Part No. | Stock No. | Price Each |
|-----------------|-----------|------------|
| EM430F6137RF900 | 63R9909 | --- |

PIM_196448

PIC32 USB STARTER KIT II


MICROCHIP


Kit contents

- PIC32 USB Starter Board II
- Standard A to mini B cable for debugger

The PIC32 USB Starter Kit II provides the easiest and lowest cost method to experience the USB and CAN functionality of the PIC32 microcontrollers. Users can develop CAN applications using PIC32 expansion boards. The board contains everything need to develop USB embedded host/device/OTG applications by combining this board with free USB software.

| Mfg. Part No. | Kit Application Type | Stock No. | Price Each |
|---------------|----------------------------|-----------|------------|
| DM320003-2 | Communication & Networking | 51R8563 | --- |

PIM_164439

- Standard A to micro B cable for USB application development
- Quick start card

HIGH PERFORMANCE USB-BASED EMULATOR


ANALOG DEVICES
AHEAD OF WHAT'S POSSIBLE™


Features

- High speed USB 2.0 interface enabling download speeds of up to 1.5MB/sec (ADZS-HPUSB-ICE)
- Background Telemetry Channel (BTC) support
- 1.8V, 2.5V, and 3.3V compliant and tolerant

ADZS-HPUSB-ICE is a cost-effective High Performance (HP) Universal Serial Bus (USB)-based emulator which provide an easy, portable, non-intrusive, target-based debugging solution for Analog Devices JTAG processors and DSPs. These powerful USB-based emulators perform a wide range of emulation functions including single-step and full speed execution with pre-defined breakpoints and viewing and/or altering of register and memory contents. With the ability to automatically detect and support multiple I/O voltages, the USB and HP USB emulators enable users to communicate with all of the Analog Devices JTAG processors and DSPs using either a full speed USB1.1 or high-speed USB2.0 port on the host PC. Applications and data can easily be tested and transferred between the emulators , VisualDSP++ debuggers which are sold separately.

| Mfg. Part No. | Stock No. | Price Each |
|----------------|-----------|------------|
| ADZS-HPUSB-ICE | 14M7074 | --- |

PIM_18952

ULINK FAMILY OF DEBUG AND TRACE ADAPTERS


KEIL
Tools by ARM


ULINK2

Features

- Program Flash Memory
- Connect using JTAG or Serial Wire modes
- Single-step through programs and insert multiple breakpoints
- Run programs in real-time

ULINK2 Keil Debug Adapter connects user PC's USB port to your target system (via JTAG, SWD, or OCDS) and allows you to program and debug embedded programs on target hardware. ULINK2 may be used for on chip debugging (using on chip JTAG, SWD, or SWV) and flash memory programming (using user configurable flash programming algorithms). Using the ULINK2 adapter together with the Keil µVision IDE/Debugger, user can easily create, download, and test embedded applications on target hardware.

| Mfg. Part No. | Stock No. | Price Each |
|----------------------------------|-----------|------------|
| In-Circuit Debugger / Programmer | 74T5673 | 395.00 |

PIM_199452

DSTREAM HIGH-PERFORMANCE DEBUG AND TRACE


ARM DS
Development Tools


 RoHS
Compliant
Available

Features

- 4GB trace buffer for extended trace capture
- Parallel Trace up to 9.6 Gbps
- Serial Trace up to 20 Gbps with HSST-Probe

The DSTREAM™ high-performance debug and trace unit enables software debug and optimization on any ARM processor-based hardware target. DSTREAM extends the functionality of RV1 and RV2 with faster memory download and trace capture, as well as wider support for physical debug and trace interfaces and enables the connection of DS-5 Debugger, RVD and third party debuggers to ARM-based devices via JTAG or Serial-Wire Debug.

| Mfg. Part No. | Stock No. | Price Each |
|----------------------------------|-----------|------------|
| In-Circuit Debugger / Programmer | 75T9199 | 3500.02 |

PIM_199451

MCUS/MPUS, APPS PROCESSORS & DEVELOPMENT TOOLS

AVR ONE! PROFESSIONAL DEBUGGER FOR 8 AND 32-BIT AVR DEVICES WITH ON-CHIP DEBUGGING

Atmel®

Rohs
Compliant
Available



AVR ONE! is a professional development tool for all 8-bit and 32-bit AVR devices with On-Chip Debug capability. It is used for source level symbolic debugging, program trace and device programming and supports the complete development cycle. It supports SPI, JTAG, PDI, and aWire programming modes and debugging using debugWIRE, JTAG, PDI, and aWire interfaces. It also supports LiveDebug, which makes it possible to attach to a running target non-intrusively, and the Nexus auxiliary interface for high-speed program, data or ownership trace at up to 200MHz in either buffered or streaming mode. Driven by a powerful FPGA, this tool provides high-speed data transfer between the host PC and the target AVR device, facilitating rapid program download and a most responsive debugging experience.

| Mfg. Part No. | Stock No. | Price Each |
|------------------------------|-----------|------------|
| Debugger / Programmer | | 1+ |
| ● ATAVRONEKIT | 68T2076 | --- |

PIM_197951

AVR DRAGON ON-CHIP DEBUGGER AND PROGRAMMER

Atmel®

Rohs
Compliant
Available



The **AVR Dragon** sets a new standard for low cost development tools for 8-bit and 32-bit AVR devices with On Chip Debug (OCD) capability. It can perform a symbolic debug on all devices with OCD with SPI, JTAG, PDI (selected devices), high voltage serial programming, parallel programming, and aWire modes, and supports debugging using SPI, JTAG, PDI interfaces. A development area lets designers build their own circuitry or add sockets for the desired device footprint. The debugger also supports NanoTrace, depending on the OCD module on the AVR device, using the target device's memory.

| Mfg. Part No. | Stock No. | Price Each |
|------------------------------|-----------|------------|
| Debugger / Programmer | | 1+ |
| ● ATAVRDRAGON | 68T2063 | --- |

PIM_197953

SAM-ICE™ JTAG EMULATOR FOR SAM3/7/9 ARM-BASED MCUs

Atmel®

Rohs
Compliant
Available



SAM-ICE™ is a JTAG emulator designed for SAM3, SAM7 and SAM9 ARM-based microcontrollers, including the Thumb® mode. It supports download speeds up to 720K Bytes per second and maximum JTAG speeds up to 12 MHz. It also supports Serial Wire Debug (SWD) and Serial Wire Viewer (SWV) from SAM-ICE hardware V6.

| Mfg. Part No. | Stock No. | Price Each |
|--------------------------|-----------|------------|
| USB JTAG Emulator | | 1+ |
| ● AT91SAM-ICE | 68T5115 | --- |

PIM_197949

PICKIT 3 DEBUG EXPRESS

MICROCHIP



Features

- PICkit-3 features full speed 12 Mbit/s USB interface to host PC
- MPLAB IDE compatible
- Built-in over-voltage/short circuit monitor
- Firmware upgradeable from PC/web download
- Read/write program and data memory of

The DV164131 is a PICkit-3 debug express. It includes PICkit-3 and 44-pin demo board with a PIC18F45k20 microcontroller. The MPLAB PICkit-3 allows debugging and programming of PIC and dsPIC flash microcontrollers at a most affordable price point using the powerful graphical user interface of the MPLAB integrated development environment (IDE). The MPLAB PICkit-3 is connected to the design engineer's PC using a full speed USB interface and can be connected to the target via an Microchip debug (RJ-11) connector (compatible with MPLAB ICD-2, MPLAB ICD-3 and MPLAB REAL ICE). The connector uses two device I/O pins and the reset line to implement in-circuit debugging and in-circuit serial programming.

| Mfg. Part No. | Stock No. | Price Each |
|------------------------------|-----------|------------|
| Debugger / Programmer | | 1+ |
| DV164131 | 50P9695 | --- |

PIM_142230

MPLAB REAL ICE IN-CIRCUIT EMULATOR

MICROCHIP

Rohs
Compliant
Available



Features

- Real-time Execution
- Fast Programming
- USB 2.0 Interface to PC
- FREE MPLAB IDE
- Overvoltage / Short-circuit Monitor Protection
- Read/Write Program Memory Space with
- Verification
- Stopwatch
- Hard and Software Breakpoints
- Real-time Watch
- Capture Trace to Log Instruction Contents
- Port Trace for High-Speed Upload of Trace Data

The MPLAB® REAL ICE is the next generation of emulator / programmer for Microchip flash products. Can be used to debug and program dsPIC® and PIC® microcontrollers with a powerful yet simple to use graphical user interface of the MPLAB integrated development environment.

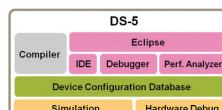
| Mfg. Part No. | Description | Stock No. | Price Each |
|----------------------------|------------------------------------|-----------|------------|
| Emulator | | | 1+ |
| AC244005 | MPLAB REAL ICE Isolator | 14R8661 | --- |
| In-Circuit Emulator | | | |
| ● DV244005 | MPLAB REAL ICE In-Circuit Emulator | 16M6059 | --- |

PIM_90083

DSTREAM + DS-5 PROFESSIONAL BUNDLES

Rohs
Compliant
Available

ARM DS
Development Tools



The ARM DS-5 tool chain enables engineers to develop robust and highly optimized embedded software for ARM application processors, such as the Cortex-A series, Cortex-R real time processor and other ARM embedded processors. The DS-5 tool chain comprises tools such as the best in class ARM C/C++ Compiler, a powerful Linux/Android/RTOS aware debugger, the ARM Streamline system wide performance analyzer and real time system model simulators, all conveniently packaged in a user friendly integrated development environment based on Eclipse. DSTREAM high performance debug and trace unit enables software debug and optimization on any ARM processor based hardware target. DSTREAM enables the connection of DS-5 Debugger to ARM based devices via JTAG or Serial Wire Debug. DSTREAM uses FPGA acceleration to deliver high download speeds and fast stepping through code on single and multi processor devices.

| Mfg. Part No. | Software Edition | License Type | No. of Licenses | Stock No. | Price Each |
|------------------|------------------|--------------|-----------------|-----------|------------|
| ARM | | | 1+ | | |
| ● BUNDs-KT-4PE00 | Professional | Floating | 1 | 93T4558 | --- |
| ● BUNDs-KT-3PE00 | Professional | Node Locked | 1 | 93T4557 | 9100.00 |

PIM_203733

EMBEDDED SOFTWARE

CODE COMPOSER DEVELOPMENT TOOLS



Code Composer is a fully integrated development environment (IDE) with DSP-specific functionality. With its familiar MS-Visual C++ like environment, Code Composer lets you edit, build, debug, profile and manage projects from a single unified environment. Other unique features include graphical signal analysis, injection/extraction of data signals via file I/O, multi-processor debugging, automated testing and customization via a C-interpretive scripting language and much more.

| Mfg. Part No. | Software Edition | License Type | No. of Licenses | Stock No. | Price Each |
|----------------|------------------|--------------|-----------------|-----------|------------|
| 1+ | | | | | |
| TMDS3240130 | ... | ... | 1 | 50B7926 | --- |
| TMDSCCS-ALLF01 | Platinum | Floating | 1 | 25R0015 | --- |
| TMDSCCS-ALLN01 | Platinum | Node Locked | 1 | 25R0020 | --- |

| C2000 | | | | | |
|---------------|----------|-----|---|---------|-----|
| TMDSCCS2000-1 | Platinum | ... | 1 | 32H6529 | --- |

| MSP430 | | | | | |
|---------------|--------------|-----|---|---------|-----|
| MSP-CCE430PRO | Professional | ... | 1 | 40K7775 | --- |

PIM_74640

XDS100 EMULATORS



Features

- USB bus powered, no power supply required

- Supports USB 1.x and USB 2.0 (high speed)

- Compatible with +1.8V to +3.3V processors

The Spectrum Digital XDS100v2 is the second generation of the XDS100 family of debug probes (emulators) for TI processors. The XDS100 family features the lowest cost of all the XDS family of debug probes while supporting the traditional JTAG standard (IEEE1149.1). Also, all XDS debug probes support Core and System Trace in all ARM and DSP processors that feature an Embedded Trace Buffer (ETB).

| Mfg. Part No. | Description | Stock No. | Price Each |
|---------------|--------------------|-----------|------------|
| 1+ | | | |
| JTAG Emulator | 20-Pin cTI Version | 64R0682 | --- |

PIM_196452

C6000™ FLOATING POINT DSPS



The C67x floating-point DSP generation provides a range of high-performance floating-point processors that will enable new innovations in cost-sensitive applications such as professional and home audio, industrial automation, voice and speech recognition as well as high-end graphics and imaging. Features: 2-(32-bit) timers, and 1-(32-bit) external memory interface. Additional information is available on TI's floating point DSPs.

| Mfg. Part No. | Case Style | I/O's | No. of Bits | Frequency | Supply Voltage | Stock No. | Price Each |
|---------------------------|------------|-------|-------------|-----------|----------------|-----------|------------|
| 1+ | | | | | | | |
| HPI, I2C, McBSP, SPI, TDM | BGA-272 | 16 | 32/64bit | 225MHz | 1.14V-1.32V | 95H4528 | --- |
| TMS320C6713BGDP22 | | | | | | | |
| HPI, McBSP, SPI | | | | | | | |
| TMS320C6701GJC150 | FC/CSP-352 | 10 | 32bit | 150MHz | 1.71V-1.89V | 75C9714 | --- |
| TMSC6701GJC1619V | FC/CSP-352 | 10 | 32bit | 167MHz | 1.81V-1.99V | 76C9441 | --- |
| I2C, SPI | | | | | | | |
| TMS320C6713BGDP30 | BGA-272 | 16 | 64bit | 300MHz | 1.33V-1.47V | 01J0936 | 16.67 |

PIM_74629

C5000™ POWER-EFFICIENT DSPs



Applications

- Digital music players
- VoIP

- Hands-free accessories
- GPS receivers
- Portable medical equipment



The **TMS320C5000™** DSP platform is optimized for personal and portable products by offering the industry's lowest standby power and advanced automatic power management. **TMS320C54x™** DSPs provide a broad range of performance and peripheral options for personal and portable communications systems. **TMS320C55x™** DSPs feature advanced power management techniques which automatically power down inactive peripherals, memory and core functional units increasing battery life. Also included are the OMAP™ devices with low-power, real-time signal processing coupled with the command and control functionality of an ARM. Power dissipation: 40mW @ 50MHz.

C5000™ POWER-EFFICIENT DSPs (CONT.)

| Mfg. Part No. | Case Style | Frequency | No. of Bits | Supply Voltage | Stock No. | Price Each |
|----------------------------|------------|-----------|-------------|----------------|-----------|------------|
| HPI, I2C, McBSP | | | | | | |
| TMS320VC5503PGE | LQFP-144 | 200MHz | 16bit | 1.14 V-1.26 V | 21J9168 | --- |
| HPI, I2C, McBSP, SPI, UART | | | | | | |
| TMS320VC5501PGF300 | LQFP-176 | 300MHz | 32bit | 1.2 V-1.32 V | 10J9723 | --- |
| HPI, I2C, McBSP, UART | | | | | | |
| TMS320VC5502PGF200 | LQFP-176 | 200MHz | 32bit | 1.2 V-1.32 V | 10J9724 | --- |
| TMS320VC5502PGF300 | LQFP-176 | 300MHz | 32bit | 1.2 V-1.32 V | 10J9725 | --- |
| HPI, I2C, McBSP, USB | | | | | | |
| TMS320VC5509AGHH | BGA-179 | 200MHz | 32bit | 1.55 V-1.65 V | 92H7534 | --- |
| TMS320VC5509AZHH | BGA-179 | 200MHz | 32bit | 1.55 V-1.65 V | 92H7536 | --- |
| TMS320VC5507PGE | LQFP-144 | 200MHz | 16bit | 1.55 V-1.65 V | 21J9170 | --- |
| TMS320VC5509APGE | LQFP-144 | 200MHz | 32bit | 1.55 V-1.65 V | 21J9171 | --- |
| HPI, McBSP | | | | | | |
| TMS320VC5416PGE120 | 144 | 120MHz | 16bit | 1.42 V-1.65 V | 67K1287 | --- |
| TMS320VC5402ZGU100 | BGA-144 | 100MHz | 16bit | 1.71 V-1.98 V | 61K1848 | --- |
| TMS320VC5416ZGU160 | BGA-144 | 160MHz | 16bit | 1.55 V-1.65 V | 87H2868 | --- |
| TMS320VC5510AZGW2 | BGA-240 | 160MHz | 32bit | 1.55 V-1.65 V | 10J9727 | --- |
| TMS320VC5510AZGW2 | BGA-240 | 200MHz | 32bit | 1.55 V-1.65 V | 87H2870 | --- |
| TMS320VC5402PGE100 | LQFP-144 | 100MHz | 16bit | 1.71 V-1.98 V | 72K9586 | --- |
| TMS320VC5410APE12 | LQFP-144 | 120MHz | 16bit | 1.42 V-1.65 V | 76C9617 | --- |
| TMS320VC5410APE16 | LQFP-144 | 160MHz | 16bit | 1.55 V-1.65 V | 67K1286 | --- |
| TMS320VC5416PGE160 | LQFP-144 | 160MHz | 16bit | 1.55 V-1.65 V | 72K9587 | --- |
| TMS320VC5409APE16 | LQFP-144 | 160MHz | 16bit | 1.55 V-1.65 V | 76C9610 | --- |
| TMS320VC5402APE16 | LQFP-144 | 160MHz | 16bit | 1.55 V-1.65 V | 76C9603 | --- |
| I2C, McBSP, USB | | | | | | |
| TMS320VC5506ZH | BGA-179 | 108MHz | 16bit | 1.14 V-1.26 V | 20M5849 | --- |

PIM_80448

DAVINCI™ DIGITAL MEDIA PROCESSORS



Applications:

- Digital cameras
- Video telephones
- IP set-top box
- Automotive infotainment

DaVinci processors leverage the TMS320C64x™ DSP core and consists of scalable, programmable Digital Signal Processing SoCs, accelerators and peripherals that are optimized for a broad spectrum of digital video end equipments.

| Mfg. Part No. | Case Style | Frequency | No. of Bits | Supply Voltage | Stock No. | Price Each |
|---|------------|-----------|-------------|-----------------|-----------|------------|
| HPI, I2C, I2S, JTAG, MII, PCI, SPI | | | | | | |
| TMS320DM642AGNZ7 | FCBG-548 | 720MHz | 64bit | 1.4 V | 40K9745 | --- |
| I2C, SPI, UART | | | | | | |
| TMS320DM6441AZWT | BGA-361 | 513MHz | 64bit | 1.05 V-1.2 V | 96M4797 | --- |
| TMS320DM355ZCE216 | NFBGA-337 | 216MHz | 32bit | 1.3 V | 53M5576 | --- |
| I2C, SPI, UART, USB | | | | | | |
| TMS320DM355ZCE270 | NFBGA-329 | 270MHz | 32bit | 1.235 V-1.365 V | 85M0162 | --- |
| TMS320DM6446AZWT | NFBGA-361 | 594MHz | 32bit | 1.2 V | 96M4799 | --- |

PIM_98696

BLACKFIN® SERIES DIGITAL SIGNAL PROCESSORS



AHEAD OF WHAT'S POSSIBLE™

Blackfin® Processors using a 16-bit RISC programming model, are designed specifically to meet the computational demands and power constraints of today's embedded audio, video, and communications applications. Blackfin Processors are ideal for portable and networked digital media appliances, automotive telematics, communications and networks. The processors have built-in, fixed-point digital signal processor (DSP) functionality supplied by 16-bit Multiply-accumulates (MACs), accompanied on-chip by a small microcontroller.

| Mfg. Part No. | Case Style | I/O's | No. of Bits | Frequency | Supply Voltage | Stock No. | Price Each |
|---------------------------------|------------|-------|-------------|-----------|----------------|-----------|------------|
| CAN, PPI, SPI, TWI, UART | | | | | | | |
| ADSP-BF537BBCZ-5A | BGA-182 | 48 | 16/32bit | 500MHz | 0.8V-1.32V | 21M6774 | --- |
| ADSP-BF537BBCZ-5AV | BGA-182 | 48 | 16/32bit | 533MHz | 0.8V-1.375V | 64M7483 | --- |
| PPI, SPI, UART | | | | | | | |
| ADSP-BF533SBBCZ400 | BGA-160 | 16 | 16/32bit | 400MHz | 0.8V-1.45V | 50M0797 | --- |
| ADSP-BF533SBBCZ500 | BGA-160 | 16 | 16/32bit | 500MHz | 0.8V-1.45V | 19M0727 | --- |
| ADSP-BF561SBBCZ600 | BGA-297 | 48 | 16/32bit | 600MHz | 0.8V-1.4185V | 21M6776 | --- |
| ADSP-BF561SKBCZ-6A | CSPBGA-256 | 48 | 16/32bit | 600MHz | 0.8V-1.4185V | 41M1931 | --- |

► CONTINUED ►

► CONTINUED ►

BLACKFIN® SERIES DIGITAL SIGNAL PROCESSORS (CONT.)

| Mfg. Part No. | Case Style | I/O's | No. of Bits | Frequency | Supply Voltage | Stock No. | Price Each |
|----------------------|------------|-------|-------------|-----------|----------------|-----------|------------|
| 1-9+ | | | | | | | |
| PPI, SPI, UART | | | | | | | |
| ● ADSP-BF592KCPZ-2 | LFCSP-64 | 32 | 16/32bit | 200MHz | 1.1V-1.47V | 59T9610 | --- |
| ● ADSP-BF592KCPZ | LFCSP-64 | 32 | 16/32bit | 400MHz | 1.1V-1.47V | 51T1991 | --- |
| ● ADSP-BF532SBSTZ400 | LQFP-176 | 16 | 16/32bit | 400MHz | 0.8V-1.45V | 19M0726 | --- |
| ● ADSP-BF531SBSTZ400 | LQFP-176 | 16 | 16/32bit | 400MHz | 0.8V-1.45V | 19M8737 | --- |

PIM_89799

Fixed Point

| Mfg. Part No. | Case Style | Frequency | No. of Bits | Supply Voltage | Stock No. | Price Each |
|--------------------------|------------|-----------|-------------|----------------|-----------|------------|
| | | | | | | 1-4+ |
| CAN, I2C, I2S, SPI, UART | | | | | | |
| ● ADSP-BF534BCBZ-4A | BGA-182 | 400MHz | 16/32bit | 800 mV-1.32 V | 12M8234 | --- |
| CAN, PPI, SPI, TWI, UART | | | | | | |
| ● ADSP-BF537KBCZ-6AV | CSPBGA-182 | 600MHz | 16/32bit | 800 mV-1.43 V | 64M7484 | --- |
| PPI, SPI, UART | | | | | | |
| ● ADSP-BF533SKBCZ-6V | CSPBGA-160 | 600MHz | 16/32bit | 800 mV-1.45 V | 41M1927 | --- |

PIM_5512391

SIX CORE DIGITAL SIGNAL PROCESSOR WITH SECURITY



- Six StarCore SC3850 DSP subsystems
- Chip-level arbitration and switching system (CLASS)
- 1056 Kbyte 12-bit wide M3 memory
- Three input clocks
- Five PLLs
- Multi-Accelerator Platform Engine for Baseband
- Security Engine (SEC)
- Two DDR controllers with up to a 400 MHz clock
- DMA controller with 32 unidirectional channels
- Up to four independent TDM modules with programmable word size
- I2C Interface
- Supports standard JTAG interface

| Mfg. Part No. | Case Style | Frequency | Supply Voltage | Stock No. | Price Each |
|-------------------------------|------------|-----------|----------------|-----------|------------|
| 1-4+ | | | | | |
| Ethernet, I2C, PCI, SPI, UART | | | | | |
| ● MSC8156ETAG1000B | FCPBGA-783 | 1GHz | 970 mV-1.05 V | 19X9834 | --- |

PIM_5575924

PSOC® 3 PROGRAMMABLE EMBEDDED SYSTEM-ON-CHIP



- Features**
- Integrated high-precision 12-bit or 20-bit resolution analog
 - Ultra low power with a voltage range
 - Programmable PLD-based logic
 - Single-Cycle 8051 core up to 67 MHz

PSOC® 3 is a true programmable embedded system-on-chip integrating configurable analog and digital peripheral functions, memory and a microcontroller on a single chip.

| Mfg. Part No. | Case Style | Program Memory | I/O's | Embedded Interface | Stock No. | Price Each |
|-------------------------|------------|----------------|---------|--------------------|-----------|------------|
| | | | | | | 1-24+ |
| CY8C32xxx, 50 MHz, 4 KB | | | | | | |
| ● CY8C3245LTI-139 | 48 Pins | 32KB | 25I/O's | I2C | 32T2613 | 4.45 |
| ● CY8C3245LTI-163 | 68 Pins | 32KB | 38I/O's | I2C | 32T2617 | --- |
| ● CY8C3245AXI-158 | 100 Pins | 32KB | 62I/O's | I2C | 32T2609 | 5.00 |
| ● CY8C3245AXI-166 | 100 Pins | 32KB | 62I/O's | I2C, USB | 32T2610 | 5.85 |
| CY8C32xxx, 50 MHz, 8 KB | | | | | | |
| ● CY8C3246LTI-149 | 68 Pins | 64KB | 38I/O's | I2C | 32T2630 | 5.96 |
| ● CY8C3246AXI-138 | 100 Pins | 64KB | 62I/O's | I2C, USB | 14T2611 | 7.96 |
| CY8C34xxx, 50 MHz, 8 KB | | | | | | |
| ● CY8C3446LTI-073 | 48 Pins | 64KB | 25I/O's | I2C, USB | 14T2615 | 6.65 |
| ● CY8C3446AXI-099 | 100 Pins | 64KB | 62I/O's | I2C, USB | 14T2614 | 8.04 |
| CY8C36xxx, 67 MHz, 4 KB | | | | | | |
| ● CY8C3665PVI-008 | 48 Pins | 32KB | 25I/O's | I2C | 32T2693 | --- |
| CY8C36xxx, 67 MHz, 8 KB | | | | | | |
| ● CY8C3666AXI-052 | 100 Pins | 64KB | 62I/O's | I2C | 14T2621 | 9.02 |
| CY8C38xxx, 67 MHz, 8 KB | | | | | | |
| ● CY8C3866PVI-021 | 48 Pins | 64KB | 25I/O's | CAN, I2C, USB | 32T2737 | 13.42 |
| ● CY8C3866PVI-070 | 48 Pins | 64KB | 25I/O's | I2C | 14T2628 | 10.63 |
| ● CY8C3866LTI-030 | 68 Pins | 64KB | 38I/O's | I2C, USB | 14T2626 | 9.78 |
| ● CY8C3866AXI-040 | 100 Pins | 64KB | 62I/O's | CAN, I2C, USB | 14T2625 | 12.25 |

PIM_197022

J-LINK™ AND FLASHER RELATED ADAPTERS



10-Pin Needle Adapter

These optional hardware adapters are used industry standard J-Link Debug Probe, and Flash Programmers. These adapters also supports the DIGI JTAG Link, Atmel SAM-IKE, and IAR J-Link.

| Mfg. Part No. | Description | Stock No. | Price Each |
|--------------------------------|--|-----------|------------|
| 1+ | | | |
| 8.06.04 J-LINK NEEDLE ADAPTER | J-Link 10-pin Needle Adapter (8.06.04) | 91T5771 | 98.00 |
| 8.06.05 10-PIN NEEDLE ADAPTER | J-Link 10-Pin Needle Adapter (8.06.05) | 91T5772 | 72.25 |
| 8.08.01 J-LINK ARM-14 ADAPTER | J-Link 14-Pin ARM Adapter (8.08.01) | 91T5775 | 60.00 |
| 8.06.03 J-LINK 14PIN TIADAPTER | J-Link 14-Pin TI Adapter (8.06.03) | 08X3008 | 60.00 |
| 8.06.00 J-LINK 19-PIN CORTEX-M | J-Link 19-Pin Cortex-M Adapter (8.06.00) | 91T5768 | 30.00 |
| 8.06.02 J-LINK 9-PIN CORTEX-M | J-Link 9-Pin Cortex-M Adapter (8.06.02) | 91T5770 | 30.00 |
| 8.06.01 J-LINK RX ADAPTER | J-Link RX Adapter (8.06.01) | 91T5769 | 30.00 |
| 8.06.06 J-LINK TI CTI20ADAPTER | J-Link TI-CTI-20 Adapter (8.06.06) | 08X3009 | 60.00 |
| 8.07.00 JTAG ISOLATOR | JTAG Isolator (8.07.00) | 91T5773 | 249.49 |
| 8.07.01 SWD ISOLATOR | SWD Isolator (8.07.01) | 08X3011 | 263.50 |

PIM_202227

FLASHER FAMILY OF PRODUCTION TOOLS



Flasher ARM

Flasher is a line of production Flash programming tools available for ARM, Cortex, PowerPC, Renesas, ST Microelectronics, and Toshiba devices. They ease the implementation into a production site by allowing the flash programming to be triggered manually or remotely. Once set up, Flasher can be controlled without the use of PC application in stand-alone mode.

| Mfg. Part No. | Description | Stock No. | Price Each |
|-----------------------|-------------------------|-----------|------------|
| 1+ | | | |
| 5.09.01 FLASHER STM8 | Flasher STM8 (5.09.01) | 91T5752 | 798.00 |
| Programmer | | | |
| 5.05.10 FLASHER 5 PRO | Flasher 5 PRO (5.05.10) | 08X3005 | 847.88 |
| 5.10.01 FLASHER PPC | Flasher PPC (5.10.01) | 91T5753 | --- |
| 5.15.01 FLASHER RX | Flasher RX (5.15.01) | 91T5754 | --- |

PIM_202224

J-LINK™ DEVELOPMENT TOOLS



J-Link ULTRA

J-Link™ debug probe line consists of the J-Link, J-Link PRO, and J-Link ULTRA. These devices connect via USB or Ethernet to the Windows host development PC.

| Mfg. Part No. | Description | Stock No. | Price Each |
|--------------------|-----------------------|-----------|------------|
| 1+ | | | |
| 8.08.00 J-LINK | J-Link BASE (8.08.00) | 91T5774 | 401.63 |
| 8.08.90 J-LINK EDU | J-Link EDU (8.08.90) | 91T5780 | 60.00 |
| 8.12.00 J-LINK PRO | J-Link PRO (8.12.00) | 91T5782 | 1003.99 |

PIM_202225

DSPS & DEVELOPMENT TOOLS

1

J-TRACE PROBES FOR ARM AND CORTEX-M



J-Trace is a line of high speed hardware Trace Probes for ARM and Cortex-M. It connects via USB to the PC host running Windows. J-Trace integrates seamlessly into a wide range of IDEs and are compatible to J-Link.

| Mfg. Part No. | Description | Stock No. | Price Each |
|--------------------------|-------------------------|-----------|------------|
| USB JTAG Emulator | | | |
| 8.10.00 J-TRACE ARM | 8.10.00 J-Trace for ARM | 91T5781 | --- |
| PIM_202226 | | | |

XDS510 USB JTAG EMULATOR



Includes:

- XDS510 USB JTAG Emulator
- USB cable

The XDS510 USB JTAG Emulator is designed to be used with digital signal processors (DSPs) and microprocessors which operate with +3.3 or +5 volt levels on the JTAG interface. This emulator is powered from USB line. This means no power is drawn from the target system. The XDS510 USB is designed to be compatible with the existing Texas Instruments XDS510 emulator and operate with debuggers provided by Texas Instruments.

| Mfg. Part No. | Description | Stock No. | Price Each |
|---|--------------------------|-----------|------------|
| In-Circuit Emulator / Programmer | | | |
| ● XDS510 USB JTAG EMULATOR | XDS510 USB JTAG Emulator | 45M6803 | 983.00 |
| PIM_178982 | | | |

C2000 SERIES XDS510LC JTAG EMULATOR



Includes:

- C2000 Series XDS510LC JTAG Emulator
- USB cable

The C2000(TM) Series XDS510LC USB JTAG Emulator allows the user direct access between the host computer and the TMS320C2000 Platform DSC using the IEEE 1149.1 IEEE JTAG Interface. A JTAG emulation connection is required for debugging software, downloading code, and flash programming Texas Instruments JTAG DSCs.

| Mfg. Part No. | Description | Stock No. | Price Each |
|---|-------------|-----------|------------|
| In-Circuit Emulator / Programmer | | | |
| C2000 XDS510LC USB EMULATOR | | 78R2863 | 313.89 |
| PIM_178983 | | | |

XDS510 USB PLUS JTAG EMULATOR



Features

- Advanced emulation controller provides high performance
- Compatible with USB 1. x and USB 2.0 (high speed)
- Power provided by host USB port or USB hub
- Supports USB interface with host PC, no adapter card required
- Supports +1.8 to +5 volt JTAG interfaces
- Replaceable cables
- Reset switch
- Programmable TCK frequency up to 32MHz
- Compatible with Windows 2000, and Windows XP operating systems
- One status LED for operational status

The XDS510USB PLUS JTAG EMULATOR is designed to be used with digital signal processors (DSPs) and microcontrollers designed by Texas Instruments. This emulator allows the user high speed direct access between the host computer and the DSP using the IEEE 1149.1 IEEE JTAG interface. A JTAG emulation connection is required for debugging software, downloading code and flash programming Texas Instruments JTAG DSPs and TMS470 devices. It supports adaptive clocking and low voltage JTAG I/O (down to +1.8V). It is supported by code composer studio for development requirements and supported by the standalone SDFlash utility.

| Mfg. Part No. | Stock No. | Price Each |
|---|-----------|------------|
| In-Circuit Emulator / Programmer | | |
| ● XDS510USB PLUS JTAG EMULATOR | 78R2865 | 1259.00 |
| PIM_178984 | | |

XDS100v2 USB JTAG EMULATOR



Features

- Supports UniFlash programming utility from Texas Instruments
- Supports cable break detection
- Adaptive clocking
- LED light to indicate active USB connection
- Supports target power loss detection

The XDS100V2 JTAG is a USB JTAG emulator. This emulator supports F28xx, C674x, C64x+, ARM9, C54xx, C55xx and Cortex series Texas Instruments processors and microcontrollers with JTAG interface. It allows the user direct access between the host computer and the DSP through a 14 pin JTAG header and it is compatible with code composer studio (CCS) V4 IDE from Texas Instruments. The XDS100V2 is available as discrete emulators or can be embedded on a development card. The XDS100 emulator provides JTAG access to Texas Instruments' JTAG based devices.

| Mfg. Part No. | Stock No. | Price Each |
|---|-----------|------------|
| In-Circuit Emulator / Programmer | | |
| ● XDS100V2 JTAG | 78R2896 | 111.38 |
| PIM_178981 | | |

DIGITAL SIGNAL CONTROLLERS



- Core: 16-Bit dsPIC33E CPU
- Advanced analog features
- Nine General Purpose Timer
- Direct Memory Access (DMA)

| Mfg. Part No. | Case Style- | I/O's | Supply Voltage | Stock No. | Price Each |
|----------------------------|-------------|-------|----------------|-----------|------------|
| CAN, I2C, SPI, UART | | | | | |
| ● DSPIC33EV32GM104-I/PT | TQFP-44 | 35 | 4.5 V-5.5 V | 46Y7753 | --- |
| ● DSPIC33EV32GM106-I/PT | TQFP-64 | 53 | 4.5 V-5.5 V | 46Y7759 | 3.03 |
| PIM_5675923 | | | | | |

PARALLEL EEPROM ICs



Atmel®

Summary Benefit:

- Byte-alterable memory
- High-endurance and high-reliability
- Parallel access

Applications

- Direct code execution and high-reliability data storage applications such as telecommunications, avionics, military, etc.

Technologies

Parallel EEPROMs enables stored data to be updated byte-by-byte or by full sector, providing design flexibility. The parallel interface devices offer high-programming endurance and data retention, as well as faster read times than serial Interface protocols. Atmel provides a complete selectiof densities (64-Kbit to 4-Mbit), operating voltages, and device packages.

AT28C256 - Paged Parallel EEPROM 256K (32K x 8)

AT28HC256 - High-Speed Parallel EEPROM 256K (32K x 8)

AT28C64B - Parallel EEPROM 64K (8K x 8) with Page Write and Software Data Protection

AT28HC64B - High-Speed Parallel EEPROM 64K (8K x 8) with Page Write and Software Data Protection

AT28HC64BF - High-Speed Parallel EEPROM 64K (8K x 8) with Page Write and Software Data Protection

AT28C010 - Paged Parallel EEPROM 1M (128K x 8)

- Page buffer for page writes
- Software data protection

Key Parameters

- 64-Kbit to 4-Mbit
- 2.7V and 5V versions
- PDIP, PLCC, SOIC and TSOP packages
- MPN Suffix
- T - Tray
- U - Tube

ONE TIME PROGRAMMABLE (OTP) EPROM ICs (CONT.)

- Standard packages — The devices are available in industry-standard JEDEC-approved OTP plastic PLCC, TSOP, and VSOP packages.

- Two-line control — All devices feature two-line control (CE, OE) to give designers the flexibility to prevent bus contention.

- Additional features — The AT27Cxxx and AT27LVxxx series both have additional features to ensure high quality and efficient product use, including Rapid Programming Algorithm and Integrated Product Identification Code.

AT27BV010: 1-Mb (128K x 8) Unregulated Battery-Voltage OTP EPROM

AT27BV1024: 1-Mb (64K x 16) Unregulated Battery-Voltage High-Speed OTP EPROM

AT27BV256: 256-K (32K x 8) Unregulated Battery-Voltage High-Speed OTP EPROM

"AT27C010: 1-Mb (128K x 8) OTP EPROM; AT27C020: 2-Mb (256K x 8) OTP EPROM

AT27C040: 4-Mb (512K x 8) OTP EPROM; AT27C080: 8-Mb (1Mb x 8) OTP EPROM

AT27C1024: 1-Mb (64K x 16) OTP EPROM; AT27C2048: 2-Mb (128K x 16) OTP EPROM

AT27C256R: 256-K (32K x 8) OTP EPROM; AT27C4096: 4-Mb (256K x 16) OTP EPROM

AT27C512R: 512-K (64K x 8) OTP EPROM"

| Mfg. Part No. | Packaging | Memory Size | Access Time | Supply Voltage | Stock No. | Price Each |
|------------------------------|-----------|-------------|-------------|----------------|-----------|------------|
| | | | | | | 1-24+ |
| ● AT28LV010-20JU | LCC-32 | 1Mbit | 5MHz | 3V-3.6V | 68T4432 | --- |
| ● AT28C010-12JU | LCC-32 | 1Mbit | 5MHz | 4.5V-5.5V | 68T4304 | 40.43 |
| ● AT28C010-15JU | LCC-32 | 1Mbit | 5MHz | 4.5V-5.5V | 68T4311 | 40.43 |
| ● AT28C010E-12JU | LCC-32 | 1Mbit | 5MHz | 4.5V-5.5V | 68T4326 | --- |
| ● AT28LV010-20TU | TSOP-32 | 1Mbit | 5MHz | 3V-3.6V | 68T4433 | --- |
| ● AT28C010-12TU | TSOP-32 | 1Mbit | 5MHz | 4.5V-5.5V | 68T4306 | --- |
| ● AT28C010E-12TU | TSOP-32 | 1Mbit | 5MHz | 4.5V-5.5V | 68T4328 | --- |
| Parallel, 128K x 8bit | | | | | | |
| ● AT28C256-15PU | DIP-28 | 256Kbit | 5MHz | 4.5V-5.5V | 68T4339 | 8.88 |
| ● AT28C256-15JU | LCC-32 | 256Kbit | 5MHz | 4.5V-5.5V | 68T4337 | 8.21 |
| ● AT28C256E-15JU | LCC-32 | 256Kbit | 5MHz | 4.5V-5.5V | 68T4353 | --- |
| ● AT28C256F-15JU | LCC-32 | 256Kbit | 5MHz | 4.5V-5.5V | 68T4368 | --- |
| ● AT28C256-12JU | LCC-32 | 256Kbit | 5MHz | 4.5V-5.5V | 68T4379 | --- |
| ● AT28C256-90JU | LCC-32 | 256Kbit | 5MHz | 4.5V-5.5V | 68T4389 | 5.85 |
| ● AT28HC256E-90JU | LCC-32 | 256Kbit | 5MHz | 4.5V-5.5V | 68T4406 | 8.82 |
| ● AT28HC256-70JU | LCC-32 | 256Kbit | 5MHz | 4.5V-5.5V | 68T4384 | 10.39 |
| ● AT28HC256-90SU | SOIC-28 | 256Kbit | 5MHz | 4.5V-5.5V | 68T4391 | 10.66 |
| ● AT28BV256-20TU | TSOP-28 | 256Kbit | 5MHz | 2.7V-3.6V | 68T4297 | --- |
| ● AT28C256E-15TU | TSOP-28 | 256Kbit | 5MHz | 4.5V-5.5V | 68T4356 | --- |
| ● AT28C256F-15TU | TSOP-28 | 256Kbit | 5MHz | 4.5V-5.5V | 68T4371 | --- |
| ● AT28HC256-12TU | TSOP-28 | 256Kbit | 5MHz | 4.5V-5.5V | 68T4382 | --- |
| ● AT28BV256-20SU | WSOIC-28 | 256Kbit | 5MHz | 2.7V-3.6V | 68T4296 | 8.88 |
| ● AT28C256-15SU | WSOIC-28 | 256Kbit | 5MHz | 4.5V-5.5V | 68T4340 | --- |
| ● AT28HC256-12SU | WSOIC-28 | 256Kbit | 5MHz | 4.5V-5.5V | 68T4381 | 8.99 |
| ● AT28HC256-70SU | WSOIC-28 | 256Kbit | 5MHz | 4.5V-5.5V | 68T4385 | 10.67 |
| ● AT28HC256F-70SU | WSOIC-28 | 256Kbit | 5MHz | 4.5V-5.5V | 68T4419 | --- |
| Parallel, 32K x 8bit | | | | | | |
| ● AT28C256-15PU | DIP-28 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4374 | 4.20 |
| ● AT28BV64B-20JU | LCC-32 | 64Kbit | 5MHz | 2.7V-3.6V | 68T4298 | 3.93 |
| ● AT28C64B-15JU | LCC-32 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4373 | 3.97 |
| ● AT28HC64B-70JU | LCC-32 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4424 | --- |
| ● AT28HC64B-12JU | LCC-32 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4430 | 1.61 |
| ● AT28BV64B-20TU | TSOP-28 | 64Kbit | 5MHz | 2.7V-3.6V | 68T4300 | --- |
| ● AT28HC64B-90TU | TSOP-28 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4429 | --- |
| ● AT28C64B-15TU | TSOP-28 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4376 | --- |
| ● AT28HC64B-12SU | WSOIC-28 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4423 | --- |
| ● AT28HC64B-70SU | WSOIC-28 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4425 | --- |
| ● AT28C64B-15SU | WSOIC-28 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4375 | 4.17 |
| ● AT28HC64BF-12SU | WSOIC-32 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4431 | --- |
| Parallel, 8K x 8bit | | | | | | |
| ● AT28C64B-15PU | DIP-28 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4374 | 4.20 |
| ● AT28C64B-20JU | LCC-32 | 64Kbit | 5MHz | 2.7V-3.6V | 68T4298 | 3.93 |
| ● AT28C64B-15JU | LCC-32 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4373 | 3.97 |
| ● AT28HC64B-70JU | LCC-32 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4424 | --- |
| ● AT28HC64BF-12JU | LCC-32 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4430 | 1.61 |
| ● AT28BV64B-20TU | TSOP-28 | 64Kbit | 5MHz | 2.7V-3.6V | 68T4300 | --- |
| ● AT28HC64B-90TU | TSOP-28 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4429 | --- |
| ● AT28C64B-15TU | TSOP-28 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4376 | --- |
| ● AT28HC64B-12SU | WSOIC-28 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4423 | --- |
| ● AT28HC64B-70SU | WSOIC-28 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4425 | --- |
| ● AT28C64B-15SU | WSOIC-28 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4375 | 4.17 |
| ● AT28HC64BF-12SU | WSOIC-32 | 64Kbit | 5MHz | 4.5V-5.5V | 68T4431 | --- |

PIM_197988

I2C™ COMPATIBLE SERIAL EEPROMS



MICROCHIP

Advantages

- Standby current less than 1 uAmp and industry's lowest operating current. (low power)
- Erase / Write endurance levels exceeding 1 million cycles and over 200 years Data retention.
- Low-voltage / high-frequency support with 400 KHz I2C devices at 1.7 volts.
- Small package leader with the 2K I2C device in the 5-lead SC70, 3-lead SOT-23 on the new UNI/ bus,

Microchip's Serial EEPROM products are compatible with four serial bus types and support densities that range from 128 bits up to 1 Mbits. These bus types include the standard two wire I2C, three-wire Microwire, four wire SPI and the new single I/O, UNI/O® bus. As Microchip's EEPROMs are compatible with the de facto industry standards, they can be used as drop-in replacements for competitor devices in most cases. By supporting a wide operating voltage range from 1.7 volts up to 5.5 volts and a wide temperature range from -40°C to 125°C almost all applications are supported. Microchip has been at the forefront of Serial EEPROM innovation - Along with ensuring highest quality products, today we offer a new family of single I/O UNI/O® EEPROM devices, the lowest voltage EEPROMs at 1.5V, the fastest bus speed on the SPI at 20 MHz and provide the industry's lowest operating current which ensures lower power consumption. Microchip also recently launched a family of MAC address chips each of which are pre-programmed with unique EUI-48™ and EUI-64™ node addresses.

| Mfg. Part No. | Packaging | Memory Size | Frequency | Supply Voltage | Stock No. | Price Each |
|----------------|-----------|-------------|-----------|----------------|-----------|------------|
| | | | | | | 1-24+ |
| ● 24LC025-I/SN | SOIC-8 | 2Kbit | 400kHz | 2.5V-5.5V | 92C7099 | --- |
| ● 24CO0SN | SOIC-8 | 128bit | 400kHz | 4.5V-5.5V | 96K4059 | --- |

► CONTINUED ►

ONE TIME PROGRAMMABLE (OTP) EPROM ICs



Atmel®

Summary Benefit

- One-time programmable for excellent firmware and data protection
- Parallel access

Applications

- Direct code execution applications such as networking, instrumentation, telecommunications, industrial control, automotive, etc.

Technologies

One-Time Programmable Memory. Atmel offers 5V, 3V and Battery-Voltage™ (2.7V) EPROMs for a variety of applications. Atmel has one of the broadest range of one-time programmable (OTP) EPROMs, with densities ranging from 256-Kbits to 8-Mbits, speeds as fast as 45ns, and package options that including PDIP, PLCC, SOIC, TSSOP, and TSSOP.

Key Features:

- Lower power — The Atmel innovative design techniques provide fast speeds that rival 5V devices while retaining the low power consumption of a 3V power supply.

► CONTINUED ►

SERIAL EEPROM MEMORY ICS

1

I2C™ COMPATIBLE SERIAL EEPROMS (CONT.)

| Mfg. Part No. | Packaging | Memory Size | Frequency | Supply Voltage | Stock No. | Price Each 1-24+ |
|-------------------------|-----------|-------------|-----------|----------------|-----------|---------------------|
| I2C | | | | | | |
| ● 24LC00T/OT | SOT-23-5 | 128bit | 400kHz | 2.5V-5.5V | 12C1987 | --- |
| ● 24C00T-I/OT | SOT-23-5 | 128bit | 400kHz | 4.5V-5.5V | 92C6937 | --- |
| I2C, 128K x 8bit | | | | | | |
| ● 24AA01-I/P | DIP-8 | 1Kbit | 400kHz | 1.7V-5.5V | 96K4054 | --- |
| ● 24FC1025-I/P | DIP-8 | 1Mbit | 1MHz | 1.8V-5.5V | 56K7664 | --- |
| ● 24AA1025-I/P | DIP-8 | 1Mbit | 400kHz | 1.7V-5.5V | 56K7661 | 1.08 |
| ● 24LC1025-I/P | DIP-8 | 1Mbit | 400kHz | 2.5V-5.5V | 31K5810 | --- |
| ● 24LC1025-E/P | DIP-8 | 1Mbit | 400kHz | 2.5V-5.5V | 69K0716 | --- |
| ● 24FC1025-I/SM | SOIJ-8 | 1Mbit | 1MHz | 1.8V-5.5V | 56K7665 | --- |
| ● 24LC1025-I/SM | SOIJ-8 | 1Mbit | 400kHz | 2.5V-5.5V | 31K5811 | 2.88 |
| ● 24LC1025-E/SM | SOIJ-8 | 1Mbit | 400kHz | 2.5V-5.5V | 69K0717 | --- |
| ● 24AA001-I/ST | TSSOP-8 | 1Kbit | 400kHz | 1.7V-5.5V | 92C6794 | --- |
| I2C, 128 x 8bit | | | | | | |
| ● 24LC01B-I/P | DIP-8 | 1Kbit | 400kHz | 2.5V-5.5V | 12C1988 | --- |
| ● 24LC21/P | DIP-8 | 1Kbit | 400kHz | 2.5V-5.5V | 92C7157 | --- |
| ● 24C01C/P | DIP-8 | 1Kbit | 400kHz | 4.5V-5.5V | 96K4060 | --- |
| ● 24C01C-I/P | DIP-8 | 1Kbit | 400kHz | 4.5V-5.5V | 92C6948 | 0.32 |
| ● 24LC014H-I/MS | MSOP-8 | 1Kbit | 1MHz | 2.5V-5.5V | 77M3555 | --- |
| ● 24AA014H-I/MS | MSOP-8 | 1Kbit | 400kHz | 1.7V-5.5V | 77M3502 | --- |
| ● 24AA01-I/MS | MSOP-8 | 1Kbit | 400kHz | 1.7V-5.5V | 92C6791 | --- |
| ● 24LC01B-I/MS | MSOP-8 | 1Kbit | 400kHz | 2.5V-5.5V | 96K4069 | --- |
| ● 24LC01BT-I/LT | SC-70-5 | 1Kbit | 400kHz | 2.5V-5.5V | 98M5223 | --- |
| ● 24LC014H-I/JSN | SOIC-8 | 1Kbit | 1MHz | 2.5V-5.5V | 77M3557 | --- |
| ● 24VL014H/JSN | SOIC-8 | 1Kbit | 400kHz | 1.5V-3.6V | 98M5348 | --- |
| ● 24AA014-I/JSN | SOIC-8 | 1Kbit | 400kHz | 1.7V-5.5V | 72C4378 | --- |
| ● 24AA001-I/JSN | SOIC-8 | 1Kbit | 400kHz | 1.7V-5.5V | 92C6793 | 0.17 |
| ● 24AA014H-I/JSN | SOIC-8 | 1Kbit | 400kHz | 1.7V-5.5V | 77M3504 | --- |
| ● 24LC21A/JSN | SOIC-8 | 1Kbit | 400kHz | 2.5V-5.5V | 89C9809 | --- |
| ● 24LC01B-I/JSN | SOIC-8 | 1Kbit | 400kHz | 2.5V-5.5V | 12C1989 | --- |
| ● 24LC01B/JSN | SOIC-8 | 1Kbit | 400kHz | 2.5V-5.5V | 12C1992 | 0.20 |
| ● 24LC01BT-I/JSN | SOIC-8 | 1Kbit | 400kHz | 2.5V-5.5V | 75M3686 | --- |
| ● 24LC01BT/JSN | SOIC-8 | 1Kbit | 400kHz | 2.5V-5.5V | 12C1995 | --- |
| ● 24LC21/JSN | SOIC-8 | 1Kbit | 400kHz | 2.5V-5.5V | 92C7159 | --- |
| ● 24LC21A/JSN | SOIC-8 | 1Kbit | 400kHz | 2.5V-5.5V | 92C7161 | --- |
| ● 24LCS21A/JSN | SOIC-8 | 1Kbit | 400kHz | 2.5V-5.5V | 92C7022 | --- |
| ● 24C01C/JSN | SOIC-8 | 1Kbit | 400kHz | 4.5V-5.5V | 96K4061 | --- |
| ● 24C01C-I/JSN | SOIC-8 | 1Kbit | 400kHz | 4.5V-5.5V | 92C6949 | --- |
| ● 24LC01BT-I/OT | SOT-23-5 | 1Kbit | 400kHz | 2.5V-5.5V | 12C1993 | --- |
| ● 24VL014T/MNY | TDFN-8 | 1Kbit | 400kHz | 1.5V-3.6V | 98M5354 | --- |
| ● 24LC01B-I/ST | TSSOP-8 | 1Kbit | 400kHz | 2.5V-5.5V | 12C1990 | --- |
| I2C, 16K x 8bit | | | | | | |
| ● 24AA128T-I/CS15K | CSP-8 | 128Kbit | 400kHz | 1.7V-5.5V | 06R2346 | --- |
| ● 24LC128-II/IMF | DFN-8 | 128Kbit | 400kHz | 2.5V-5.5V | 96K4074 | --- |
| ● 24AA00-I/P | DIP-8 | 128bit | 400kHz | 1.8V-5.5V | 68K7385 | --- |
| ● 24LC00-I/P | DIP-8 | 128bit | 400kHz | 2.5V-5.5V | 12C1983 | --- |
| ● 24LC00P | DIP-8 | 128bit | 400kHz | 2.5V-5.5V | 96K4068 | --- |
| ● 24C00P | DIP-8 | 128bit | 400kHz | 4.5V-5.5V | 96K4058 | --- |
| ● 24FC128-II/P | DIP-8 | 128Kbit | 1MHz | 1.7V-5.5V | 92C6993 | --- |
| ● 24AA128-II/P | DIP-8 | 128Kbit | 400kHz | 1.7V-5.5V | 92C6840 | --- |
| ● 24LC128-II/P | DIP-8 | 128Kbit | 400kHz | 2.5V-5.5V | 12C2007 | --- |
| ● 24FC128-II/MS | MSOP-8 | 128Kbit | 1MHz | 1.7V-5.5V | 92C6992 | --- |
| ● 24AA128-II/MS | MSOP-8 | 128Kbit | 400kHz | 1.7V-5.5V | 92C6839 | --- |
| ● 24AA00-I/JSN | SOIC-8 | 128bit | 400kHz | 1.8V-5.5V | 92C6779 | --- |
| ● 24LC00-I/JSN | SOIC-8 | 128bit | 400kHz | 2.5V-5.5V | 92C7063 | --- |
| ● 24C00-I/JSN | SOIC-8 | 128bit | 400kHz | 4.5V-5.5V | 92C6931 | --- |
| ● 24FC128-II/JSN | SOIC-8 | 128Kbit | 1MHz | 1.7V-5.5V | 92C6996 | --- |
| ● 24AA128-II/JSN | SOIC-8 | 128Kbit | 400kHz | 1.7V-5.5V | 92C6842 | --- |
| ● 24LC128-II/JSN | SOIC-8 | 128Kbit | 400kHz | 2.5V-5.5V | 12C2008 | --- |
| ● 24LC128-II/SNG | SOIC-8 | 128Kbit | 400kHz | 2.5V-5.5V | 30H1511 | --- |
| ● 24LC128-II/SM | SOIJ-8 | 128Kbit | 400kHz | 2.5V-5.5V | 92C7134 | --- |
| ● 24LC00T-I/OT | SOT-23-5 | 128bit | 400kHz | 2.5V-5.5V | 73J4821 | --- |
| ● 24FC128-II/ST | TSSOP-8 | 128Kbit | 1MHz | 1.7V-5.5V | 92C6997 | --- |
| ● 24AA128-II/ST | TSSOP-8 | 128Kbit | 400kHz | 1.7V-5.5V | 92C6843 | --- |
| ● 24LC128-II/ST | TSSOP-8 | 128Kbit | 400kHz | 2.5V-5.5V | 62K0578 | --- |
| ● 24LC128-E/ST | TSSOP-8 | 128Kbit | 400kHz | 2.5V-5.5V | 30H1508 | --- |
| I2C, 256K x 8bit | | | | | | |
| ● 24LC02BT-I/IMC | DFN-8 | 2Kbit | 400kHz | 2.5V-5.5V | 72J3393 | --- |
| ● 24LC02B-II/P | DIP-8 | 2Kbit | 400kHz | 2.5V-5.5V | 12C1996 | --- |
| ● 24LC02B/P | DIP-8 | 2Kbit | 400kHz | 2.5V-5.5V | 75K1883 | --- |
| ● 24C02C-II/P | DIP-8 | 2Kbit | 400kHz | 4.5V-5.5V | 96K4062 | --- |
| ● 24LC024H-I/MS | MSOP-8 | 2Kbit | 1MHz | 2.5V-5.5V | 77M3581 | --- |

► CONTINUED ►

I2C™ COMPATIBLE SERIAL EEPROMS (CONT.)

| Mfg. Part No. | Packaging | Memory Size | Frequency | Supply Voltage | Stock No. | Price Each 1-24+ |
|---------------------------------|-----------|-------------|-----------|----------------|-----------|---------------------|
| I2C, 256K x 8bit | | | | | | |
| ● 24AA02-I/MS | MSOP-8 | 2Kbit | 400kHz | 1.7V-5.5V | 27C9107 | --- |
| ● 24LC02BT-II/LT | SC-70-5 | 2Kbit | 400kHz | 2.5V-5.5V | 98M5258 | --- |
| ● 24AA02/SN | SOIC-8 | 2Kbit | 400kHz | 1.7V-5.5V | 89C9793 | --- |
| ● 24AA02-I/SN | SOIC-8 | 2Kbit | 400kHz | 1.7V-5.5V | 92C6803 | --- |
| ● 24LC02B/SN | SOIC-8 | 2Kbit | 400kHz | 2.5V-5.5V | 33C2968 | 0.23 |
| ● 24LC024/SN | SOIC-8 | 2Kbit | 400kHz | 2.5V-5.5V | 92C7092 | --- |
| ● 24LCS22A-I/SN | SOIC-8 | 2Kbit | 400kHz | 2.5V-5.5V | 92C7029 | --- |
| ● 24LC02BT-II/SN | SOIC-8 | 2Kbit | 400kHz | 2.5V-5.5V | 75M3687 | --- |
| ● 24LC024-I/SN | SOIC-8 | 2Kbit | 400kHz | 2.5V-5.5V | 92C7088 | --- |
| ● 24LC22A-I/SN | SOIC-8 | 2Kbit | 400kHz | 2.5V-5.5V | 92C7167 | --- |
| ● 24LC02B-II/SNG | SOIC-8 | 2Kbit | 400kHz | 2.5V-5.5V | 30H1482 | --- |
| ● 24LC552-I/SN | SOIC-8 | 2Kbit | 400kHz | 2.5V-5.5V | 92C7032 | --- |
| ● 24LC02B-E/SN | SOIC-8 | 2Kbit | 400kHz | 2.5V-5.5V | 92C7078 | --- |
| ● 24C02C/SN | SOIC-8 | 2Kbit | 400kHz | 4.5V-5.5V | 96K4065 | 0.20 |
| ● 24C02C-II/ISN | SOIC-8 | 2Kbit | 400kHz | 4.5V-5.5V | 96K4063 | --- |
| ● 24VL024T/MNY | TDFN-8 | 2Kbit | 400kHz | 1.5V-3.6V | 98M5372 | --- |
| ● 24LC024H-I/ST | TSSOP-8 | 2Kbit | 1MHz | 2.5V-5.5V | 77M3584 | --- |
| ● 24AA024H-I/ST | TSSOP-8 | 2Kbit | 400kHz | 1.7V-5.5V | 77M3514 | --- |
| ● 24LC02B-II/ST | TSSOP-8 | 2Kbit | 400kHz | 2.5V-5.5V | 62K0575 | --- |
| ● 24LC025-I/ST | TSSOP-8 | 2Kbit | 400kHz | 2.5V-5.5V | 92C7100 | --- |
| I2C, 2 BLK (128K x 8bit) | | | | | | |
| ● 24AA02E48-I/ISN | SOIC-8 | 2Kbit | 400kHz | 1.7V-5.5V | 73R8707 | --- |
| ● 24AA02E48T-I/OT | SOT-23-5 | 2Kbit | 400kHz | 1.7V-5.5V | 45P4895 | 0.22 |
| ● 24AA025E48T-II/OT | SOT-23-6 | 2Kbit | 400kHz | 1.7V-5.5V | 74R6951 | 0.26 |
| I2C, 2 BLK (256K x 8bit) | | | | | | |
| ● 24LC04B-I/P | DIP-8 | 4Kbit | 400kHz | 2.5V-5.5V | 62K0576 | --- |
| ● 24LC04B/P | DIP-8 | 4Kbit | 400kHz | 2.5V-5.5V | 69K7668 | --- |
| ● 24LC04B-II/MS | MSOP-8 | 4Kbit | 400kHz | 2.5V-5.5V | 96K4070 | --- |
| ● 24LC04B-I/SN | SOIC-8 | 4Kbit | 400kHz | 2.5V-5.5V | 65K1125 | --- |
| ● 24LC04B/SN | SOIC-8 | 4Kbit | 400kHz | 2.5V-5.5V | 96K4071 | --- |
| ● 24LC04BT-I/ISN | SOIC-8 | 4Kbit | 400kHz | 2.5V-5.5V | 92C7116 | --- |
| ● 24AA04T-I/OT | SOT-23-5 | 4Kbit | 400kHz | 1.7V-5.5V | 92C6820 | --- |
| ● 24LC04BT-II/OT | SOT-23-5 | 4Kbit | 400kHz | 2.5V-5.5V | 89C9802 | --- |
| ● 24LC04BT-I/ST | TSSOP-8 | 4Kbit | 400kHz | 2.5V-5.5V | 65K1126 | --- |
| I2C, 32K x 8bit | | | | | | |
| ● 24AA256-I/P | DIP-8 | 256Kbit | 400kHz | 1.7V-5.5V | 92C6872 | --- |
| ● 24LC256-I/P | DIP-8 | 256Kbit | 400kHz | 2.5V-5.5V | 54K2864 | 0.90 |
| ● 24LC256-E/P | DIP-8 | 256Kbit | 400kHz | 2.5V-5.5V | 92C7169 | 0.88 |
| ● 24FC256-I/MS | MSOP-8 | 256Kbit | 1MHz | 1.7V-5.5V | 92C7003 | --- |
| ● 24AA256-I/MS | MSOP-8 | 256Kbit | 400kHz | 1.7V-5.5V | 92C6871 | --- |
| ● 24LC256-II/MS | MSOP-8 | 256Kbit | 400kHz | 2.5V-5.5V | 54K2863 | --- |
| ● 24LC256T-I/MS | MSOP-8 | 256Kbit | 400kHz | 2.5V-5.5V | 92C7178 | --- |
| ● 24AA256-I/JSN | SOIC-8 | 256Kbit | 400kHz | 1.7V-5.5V | 92C6874 | --- |
| ● 24LC256-I/JSN | SOIC-8 | 256Kbit | 400kHz | 2.5V-5.5V | 27C9144 | --- |
| ● 24LC256T-II/MS | SOIC-8 | 256Kbit | 400kHz | 2.5V-5.5V | 27C9147 | 0.76 |
| ● 24LC256-E/SN | SOIC-8 | 256Kbit | 400kHz | 2.5V-5.5V | 92C7171 | 0.71 |
| ● 24FC256-I/JSN | SOIJ-8 | 256Kbit | 1MHz | 1.7V-5.5V | 92C7005 | --- |
| ● 24AA256-II/MS | SOIJ-8 | 256Kbit | 400kHz | 1.7V-5.5V | 92C6873 | --- |
| ● 24LC256T-II/MS | SOIJ-8 | 256Kbit | 400kHz | 2.5V-5.5V | 12C2015 | --- |
| ● 24LC256-E/JSN | SOIJ-8 | 256Kbit | 400kHz | 2.5V-5.5V | 33C2973 | 0.66 |
| ● 24LC256-E/SM | SOIJ-8 | 256Kbit | 400kHz | 2.5V-5.5V | 92C7170 | --- |
| ● 24LC256-I/SMG | SOIJ-8 | 256Kbit | 400kHz | 2.5V-5.5V | 68H9700 | --- |
| ● 24FC256-I/ST | TSSOP-8 | 256Kbit | 1MHz | 1.7V-5.5V | 40C2577 | 0.67 |
| ● 24AA256-I/ST | TSSOP-8 | 256Kbit | 400kHz | 1.7V-5.5V | 92C6875 | --- |
| ● 24LC256-I/ST | TSSOP-8 | 256Kbit | 400kHz | 2.5V-5.5V | 27C9145 | --- |
| ● 24LC256-E/ST | TSSOP-8 | 256Kbit | 400kHz | 2.5V-5.5V | 68H9699 | --- |
| I2C, 4 BLK (256K x 8bit) | | | | | | |
| ● 24LC08B/P | DIP-8 | 8Kbit | 400kHz | 2.5V-5.5V | 96K4073 | --- |
| ● 24LC08BT-II/ISN | SOIC-8 | 8Kbit | 400kHz | 2.5V-5.5V | 92C7127 | --- |
| ● 24AA08T-I/OT | SOT-23-5 | 8Kbit | 400kHz | 1.7V-5.5V | 92C6833 | --- |
| ● 24LC08T-I/ST | TSSOP-8 | 8Kbit | 400kHz | 2.5V-5.5V | 69K7669 | --- |
| I2C, 4K x 8bit | | | | | | |
| ● 24AA32AT-I/IMC | DFN-8 | 32Kbit | 400kHz | 1.7V-5.5V | 31K5808 | --- |
| ● 24LC32AT-I/IMC | DFN-8 | 32Kbit | 400kHz | 2.5V-5.5V</ | | |

I²C™ COMPATIBLE SERIAL EEPROMS (CONT.)

| Mfg. Part No. | Packaging | Memory Size | Frequency | Supply Voltage | Stock No. | Price Each 1-24+ |
|--|-----------|-------------|-----------|----------------|-----------|---------------------|
| I²C, 4K x 8bit | | | | | | |
| ● 24LC32A/SN | SOIC-8 | 32Kbit | 400kHz | 2.5V-5.5V | 33C2976 | --- |
| ● 24LC32AT-I/SN | SOIC-8 | 32Kbit | 400kHz | 2.5V-5.5V | 92C7191 | --- |
| ● 24LC32AF-I/SN | SOIC-8 | 32Kbit | 400kHz | 2.5V-5.5V | 08P0097 | --- |
| ● 24LC32A-I/SM | SOJ-8 | 32Kbit | 400kHz | 2.5V-5.5V | 92C7182 | --- |
| ● 24AA32AT-I/OT | SOT-23-5 | 32Kbit | 400kHz | 1.7V-5.5V | 84R4149 | --- |
| ● 24LC32AT-I/OT | SOT-23-5 | 32Kbit | 400kHz | 2.5V-5.5V | 08P0113 | 0.32 |
| ● 24AA32A-I/ST | TSSOP-8 | 32Kbit | 400kHz | 1.7V-5.5V | 40C2563 | --- |
| ● 24LC32A-I/ST | TSSOP-8 | 32Kbit | 400kHz | 2.5V-5.5V | 96K4079 | --- |
| I²C, 64K x 8bit | | | | | | |
| ● 24FC512-I/MF | DFN-8 | 512Kbit | 1MHz | 1.7V-5.5V | 92C7011 | --- |
| ● 24AA512-I/MF | DFN-8 | 512Kbit | 400kHz | 1.7V-5.5V | 92C6898 | --- |
| ● 24FC512-I/P | DIP-8 | 512Kbit | 1MHz | 1.7V-5.5V | 54K2862 | 1.34 |
| ● 24FC515-I/P | DIP-8 | 512Kbit | 1MHz | 2.5V-5.5V | 69K7666 | --- |
| ● 24AA512-I/P | DIP-8 | 512Kbit | 400kHz | 1.7V-5.5V | 92C6899 | --- |
| ● 24LC515-I/P | DIP-8 | 512Kbit | 400kHz | 2.5V-5.5V | 92C7213 | --- |
| ● 24LC512-I/P | DIP-8 | 512Kbit | 400kHz | 2.5V-5.5V | 62K0581 | 1.34 |
| ● 24LC512-E/P | DIP-8 | 512Kbit | 400kHz | 2.5V-5.5V | 92C7201 | --- |
| ● 24LC512-I/SM | SOIC-8 | 512Kbit | 400kHz | 2.5V-5.5V | 08R2186 | --- |
| ● 24FC515-I/SM | SOJ-8 | 512Kbit | 1MHz | 2.5V-5.5V | 92C7019 | --- |
| ● 24LC512-II/SM | SOJ-8 | 512Kbit | 400kHz | 2.5V-5.5V | 62K0582 | --- |
| ● 24LC512T-I/SM | SOJ-8 | 512Kbit | 400kHz | 2.5V-5.5V | 92C7211 | --- |
| ● 24LC512-E/SM | SOJ-8 | 512Kbit | 400kHz | 2.5V-5.5V | 92C7202 | --- |
| ● 24LC512-I/SMG | SOJ-8 | 512Kbit | 400kHz | 2.5V-5.5V | 30H1539 | 1.30 |
| ● 24AA512-I/ST | TSSOP-8 | 512Kbit | 400kHz | 1.7V-5.5V | 08R2173 | --- |
| ● 24LC512-I/ST | TSSOP-8 | 512Kbit | 400kHz | 2.5V-5.5V | 08R2187 | --- |
| I²C, 8 BLK (256K x 8bit) | | | | | | |
| ● 24LC16BT-I/MC | DFN-8 | 16Kbit | 400kHz | 2.5V-5.5V | 84R4153 | --- |
| ● 24LC16B-I/P | DIP-8 | 16Kbit | 400kHz | 2.5V-5.5V | 62K0579 | --- |
| ● 24LC16B/P | DIP-8 | 16Kbit | 400kHz | 2.5V-5.5V | 69K7671 | --- |
| ● 24LC16BH-I/P | DIP-8 | 16Kbit | 400kHz | 2.5V-5.5V | 98M5322 | --- |
| ● 24LC16B-II/MS | MSOP-8 | 16Kbit | 400kHz | 2.5V-5.5V | 96K4075 | --- |
| ● 24AA16-I/SM | SOIC-8 | 16Kbit | 400kHz | 1.7V-5.5V | 96K4056 | --- |
| ● 24LC16B/SN | SOIC-8 | 16Kbit | 400kHz | 2.5V-5.5V | 12C2012 | --- |
| ● 24LC16B-II/SM | SOIC-8 | 16Kbit | 400kHz | 2.5V-5.5V | 69K7670 | --- |
| ● 24LC16BT-I/SM | SOIC-8 | 16Kbit | 400kHz | 2.5V-5.5V | 12C2013 | --- |
| ● 24LC16B-E/SN | SOIC-8 | 16Kbit | 400kHz | 2.5V-5.5V | 92C7144 | --- |
| ● 24LC16B-II/SNG | SOIC-8 | 16Kbit | 400kHz | 2.5V-5.5V | 03H7541 | 0.27 |
| ● 24AA16T-I/OT | SOT-23-5 | 16Kbit | 400kHz | 1.7V-5.5V | 92C6865 | --- |
| ● 24LC16BT-I/OT | SOT-23-5 | 16Kbit | 400kHz | 2.5V-5.5V | 62K0580 | 0.20 |
| ● 24LC16B-I/ST | TSSOP-8 | 16Kbit | 400kHz | 2.5V-5.5V | 96K4076 | --- |
| I²C, 8K x 8bit | | | | | | |
| ● 24AA64T-I/MC | DFN-8 | 64Kbit | 400kHz | 1.7V-5.5V | 31K5809 | --- |
| ● 24AA64-I/P | DIP-8 | 64Kbit | 400kHz | 1.7V-5.5V | 92C6909 | --- |
| ● 24AA64F-I/P | DIP-8 | 64Kbit | 400kHz | 1.7V-5.5V | 08P0051 | --- |
| ● 24LC64-I/P | DIP-8 | 64Kbit | 400kHz | 2.5V-5.5V | 62K0584 | --- |
| ● 24LC64F-I/P | DIP-8 | 64Kbit | 400kHz | 2.5V-5.5V | 08P0124 | --- |
| ● 24LC65-I/P | DIP-8 | 64Kbit | 400kHz | 2.5V-6V | 59K0361 | --- |
| ● 24LC65/P | DIP-8 | 64Kbit | 400kHz | 2.5V-6V | 88K1357 | --- |
| ● 24C65/P | DIP-8 | 64Kbit | 400kHz | 4.5V-6V | 89C9798 | --- |
| ● 24AA64-I/MS | MSOP-8 | 64Kbit | 400kHz | 1.7V-5.5V | 40C2573 | --- |
| ● 24LC64-I/SM | SOIC-8 | 64Kbit | 400kHz | 2.5V-5.5V | 12C2020 | 0.40 |
| ● 24LC64-E/SN | SOIC-8 | 64Kbit | 400kHz | 2.5V-5.5V | 92C7217 | --- |
| ● 24LC64T-I/SM | SOIC-8 | 64Kbit | 400kHz | 2.5V-5.5V | 12C2021 | 0.40 |
| ● 24LC64F-II/SM | SOIC-8 | 64Kbit | 400kHz | 2.5V-5.5V | 08P0126 | --- |
| ● 24AA64-I/SM | SOJ-8 | 64Kbit | 400kHz | 1.7V-5.5V | 92C6910 | --- |
| ● 24LC64-II/SM | SOJ-8 | 64Kbit | 400kHz | 2.5V-5.5V | 12C2019 | --- |
| ● 24LC65-II/SM | SOJ-8 | 64Kbit | 400kHz | 2.5V-6V | 89C9816 | --- |
| ● 24C65-I/SM | SOJ-8 | 64Kbit | 400kHz | 4.5V-6V | 60K7101 | --- |
| ● 24C65/SM | SOJ-8 | 64Kbit | 400kHz | 4.5V-6V | 96K4066 | 1.25 |
| ● 24AA64T-I/OT | SOT-23-5 | 64Kbit | 400kHz | 1.7V-5.5V | 08P0062 | --- |
| ● 24AA64FT-I/OT | SOT-23-5 | 64Kbit | 400kHz | 1.7V-5.5V | 84R4151 | 0.36 |
| ● 24LC64T-II/OT | SOT-23-5 | 64Kbit | 400kHz | 2.5V-5.5V | 08P0142 | --- |
| ● 24AA64T-II/IMNY | TDFN-8 | 64Kbit | 400kHz | 1.7V-5.5V | 84R4152 | --- |
| ● 24AA64-I/ST | TSSOP-8 | 64Kbit | 400kHz | 1.7V-5.5V | 40C2574 | --- |
| ● 24LC64X-II/ST | TSSOP-8 | 64Kbit | 400kHz | 2.5V-5.5V | 96K4081 | --- |

PIM_60678

SPI™ COMPATIBLE SERIAL EEPROMS



Microchip Technology Inc. supports the Serial Peripheral Interface (SPI) compatible serial bus architecture with low-voltage serial Electrically Erasable PROMs (EEPROM) that range in density from 1 Kbits up to 1 Mbits. Byte-

► CONTINUED ►

SPI™ COMPATIBLE SERIAL EEPROMS (CONT.)

level and page-level functions are supported, but the higher density 512 Kbit and 1 Mbit devices also feature Sector and Chip erase functions typically associated with Flash-based products. The bus signals required are a clock input (SCK) plus separate data in (SI) and data out (SO) lines. Access to the device is controlled through a Chip Select (CS) input.

Product Identification System

| Device | Density | Temperature Range: | Packaging Medium | Package |
|--|--|---|--|---|
| EEPROM Series - Voltage - AA = 1.8V-5.5V 2.5V-5.5V | 010A = 1 Kbit 020A = 2 Kbit 040A = 4 Kbit 080A = 8 Kbit 080B = 8 Kbit 160A = 16 Kbit 160B = 16 Kbit 320A = 32 Kbit 640A = 64 Kbit 128 = 128 Kbit 256 = 256 Kbit 512 = 512 Kbit 1024 = 1024 Kbit (1Mbit) | I = -40°C to +85°C E = -40°C to +125°C | T = Tape and Reel Blank = Std. Pkg. | P = Plastic DIP SN = Plastic SOIC SM = Plastic SOIC ST = Plastic TSSOP MS = Plastic Micro Small Outline (MSOP) MC = 2x3 mm DFN MF = 6x5 mm DFN OT = SOT-23 |

| Mfg. Part No. | Packaging | Memory Size | Frequency | Supply Voltage | Stock No. | Price Each 1-24+ |
|-------------------------|-----------|-------------|-----------|----------------|-----------|---------------------|
| SPI, 128K x 8bit | | | | | | |

| | | | | | | |
|-----------------|--------|-------|-------|-----------|---------|------|
| ● 25AA1024-I/MF | DFN-8 | 1Mbit | 20MHz | 1.8V-5.5V | 89H3143 | --- |
| ● 25AA1024-I/P | DIP-8 | 1Mbit | 20MHz | 1.8V-5.5V | 89H3144 | --- |
| ● 25LC1024-I/P | DIP-8 | 1Mbit | 20MHz | 2.5V-5.5V | 89H3176 | --- |
| ● 25LC1024-I/SM | SOIC-8 | 1Mbit | 20MHz | 2.5V-5.5V | 89H3173 | 2.49 |
| ● 25AA1024-I/SM | SOJ-8 | 1Mbit | 20MHz | 1.8V-5.5V | 89H3146 | --- |
| ● 25LC1024-I/SM | SOJ-8 | 1Mbit | 20MHz | 2.5V-5.5V | 89H3178 | --- |
| ● 25LC1024-E/SM | SOJ-8 | 1Mbit | 20MHz | 2.5V-5.5V | 89H3174 | 3.00 |

SPI, 128 x 8bit

| | | | | | | |
|-----------------|----------|-------|-------|-----------|---------|-----|
| ● 25AA010A-I/SM | SOIC-8 | 1Kbit | 10MHz | 1.8V-5.5V | 72J3618 | --- |
| ● 25LC010A-I/SM | SOIC-8 | 1Kbit | 10MHz | 2.5V-5.5V | 99M0829 | --- |
| ● 25AA010A-I/OT | SOT-23-6 | 1Kbit | 10MHz | 1.8V-5.5V | 72J3622 | --- |
| ● 25LC010A-I/OT | SOT-23-6 | 1Kbit | 10MHz | 2.5V-5.5V | 72J3657 | --- |

SPI, 16K x 8bit

| | | | | | | |
|-----------------|---------|---------|-------|-----------|---------|-----|
| ● 25AA128-I/P | DIP-8 | 128Kbit | 10MHz | 1.8V-5.5V | 17M3481 | --- |
| ● 25LC128-I/P | DIP-8 | 128Kbit | 10MHz | 2.5V-5.5V | 17M3507 | --- |
| ● 25AA128-I/SM | SOIC-8 | 128Kbit | 10MHz | 1.8V-5.5V | 17M3483 | --- |
| ● 25AA128T-I/ST | TSSOP-8 | 128Kbit | 10MHz | 1.8V-5.5V | 84R4156 | --- |
| ● 25LC128T-I/ST | TSSOP-8 | 128Kbit | 10MHz | 2.5V-5.5V | 17M3510 | --- |

SPI, 1K x 8bit

| | | | | | | |
|-----------------|---------|-------|-------|-----------|---------|-----|
| ● 25C080-I/P | DIP-8 | 8Kbit | 3MHz | 4.5V-5.5V | 92C7398 | --- |
| ● 25C080B-I/P | DIP-8 | 8Kbit | 10MHz | 2.5V-5.5V | 30H1589 | --- |
| ● 25AA080/SN | SOIC-8 | 8Kbit | 1MHz | 1.8V-5.5V | 92C7351 | --- |
| ● 25AA080A/ISN | SOIC-8 | 8Kbit | 1MHz | 1.8V-5.5V | 92C7347 | --- |
| ● 25LC080A/ISN | SOIC-8 | 8Kbit | 10MHz | 2.5V-5.5V | 30H1550 | --- |
| ● 25LC080B/ISN | SOIC-8 | 8Kbit | 10MHz | 2.5V-5.5V | 30H1590 | --- |
| ● 25LC080A/ESN | SOIC-8 | 8Kbit | 10MHz | 2.5V-5.5V | 30H1580 | --- |
| ● 25LC080A-E/SM | SOIC-8 | 8Kbit | 10MHz | 2.5V-5.5V | 30H1577 | --- |
| ● 25AA080A/I/ST | TSSOP-8 | 8Kbit | 10MHz | 1.8V-5.5V | 30H1551 | --- |

SPI, 256K x 8bit

| | | | | | | |
|-------------------|----------|-------|-------|-----------|---------|------|
| ● 25AA020A-I/SM | SOIC-8 | 2Kbit | 10MHz | 1.8V-5.5V | 45P4904 | --- |
| ● 25AA02E48-I/SM | SOIC-8 | 2Kbit | 10MHz | 1.8V-5.5V | 84R4155 | 0.40 |
| ● 25LC020A-I/SM | SOIC-8 | 2Kbit | 10MHz | 2.5V-5.5V | 72J3666 | --- |
| ● 25AA02E48T-I/OT | SOT-23-6 | 2Kbit | 10MHz | 1.8V-5.5V | 45P4905 | 0.30 |
| ● 25LC020T-I/OT | SOT-23-6 | 2Kbit | 10MHz | 2.5V-5.5V | 72J3674 | --- |

SPI, 2K x 8bit

| | | | | | | |
|-----------------|--------|--------|-------|-----------|---------|-----|
| ● 25LC160/P | DIP-8 | 16Kbit | 2MHz | 2.5V-5.5V | 96K4094 | --- |
| ● 25C160/P | DIP-8 | 16Kbit | 3MHz | 4.5V-5.5V | 96K4088 | --- |
| ● 25C160-I/SM | SOIC-8 | 16Kbit | 3MHz | 4.5V-5.5V | 96K4087 | --- |
| ● 25C160/ISN | SOIC-8 | 16Kbit | 3MHz | 4.5V-5.5V | 96K4089 | --- |
| ● 25AA160B-I/SM | SOIC-8 | 16Kbit | 10MHz | | | |

SERIAL EEPROM MEMORY ICS

1

SPI™ COMPATIBLE SERIAL EEPROMS (CONT.)

| Mfg. Part No. | Packaging | Memory Size | Frequency | Supply Voltage | Stock No. | Price Each |
|-------------------------|-----------|-------------|-----------|----------------|-----------|------------|
| 1-24+ | | | | | | |
| SPI, 32K x 8bit | | | | | | |
| ● 25AA256-I/SM | SOIJ-8 | 256Kbit | 10MHz | 1.8V-5.5V | 56K7674 | 0.43 |
| ● 25LC256-I/SM | SOIJ-8 | 256Kbit | 10MHz | 2.5V-5.5V | 56K7683 | --- |
| ● 25AA256-I/ST | TSSOP-8 | 256Kbit | 10MHz | 1.8V-5.5V | 92C7371 | --- |
| ● 25LC256-I/ST | TSSOP-8 | 256Kbit | 10MHz | 2.5V-5.5V | 92C7461 | --- |
| SPI, 4K x 8bit | | | | | | |
| ● 25LC320-I/P | DIP-8 | 32Kbit | 2MHz | 2.5V-5.5V | 96K4096 | --- |
| ● 25C320/P | DIP-8 | 32Kbit | 3MHz | 4.5V-5.5V | 92C7418 | --- |
| ● 25C320-I/P | DIP-8 | 32Kbit | 3MHz | 4.5V-5.5V | 96K4090 | --- |
| ● 25AA320-I/SN | SOIC-8 | 32Kbit | 1MHz | 1.8V-5.5V | 92C7375 | --- |
| ● 25LC320-I/SN | SOIC-8 | 32Kbit | 2MHz | 2.5V-5.5V | 65K1130 | --- |
| ● 25LC320/SN | SOIC-8 | 32Kbit | 2MHz | 2.5V-5.5V | 96K4098 | --- |
| ● 25C320/SN | SOIC-8 | 32Kbit | 3MHz | 4.5V-5.5V | 59K0362 | --- |
| ● 25C320-I/SN | SOIC-8 | 32Kbit | 3MHz | 4.5V-5.5V | 92C7416 | --- |
| ● 25LC320A-I/SN | SOIC-8 | 32Kbit | 10MHz | 2.5V-5.5V | 31K5833 | --- |
| ● 25LC320A-I/ST | TSSOP-8 | 32Kbit | 10MHz | 2.5V-5.5V | 31K5834 | --- |
| SPI, 512K x 8bit | | | | | | |
| ● 25LC040-I/P | DIP-8 | 4Kbit | 2MHz | 2.5V-5.5V | 92C7426 | --- |
| ● 25C040-I/P | DIP-8 | 4Kbit | 3MHz | 4.5V-5.5V | 89C9827 | --- |
| ● 25C040/P | DIP-8 | 4Kbit | 3MHz | 4.5V-5.5V | 96K4084 | --- |
| ● 25AA040-I/SN | SOIC-8 | 4Kbit | 1MHz | 1.8V-5.5V | 92C7335 | --- |
| ● 25LC040/SN | SOIC-8 | 4Kbit | 2MHz | 2.5V-5.5V | 89C9834 | --- |
| ● 25LC040-I/SN | SOIC-8 | 4Kbit | 2MHz | 2.5V-5.5V | 92C7427 | --- |
| ● 25C040/SN | SOIC-8 | 4Kbit | 3MHz | 4.5V-5.5V | 73K1419 | --- |
| ● 25C040/I-SN | SOIC-8 | 4Kbit | 3MHz | 4.5V-5.5V | 92C7386 | --- |
| ● 25AA040A-I/JSN | SOIC-8 | 4Kbit | 10MHz | 1.8V-5.5V | 72J3636 | --- |
| ● 25LC040A-I/ST | TSSOP-8 | 4Kbit | 10MHz | 2.5V-5.5V | 72J3684 | --- |
| SPI, 512 x 8bit | | | | | | |
| ● 25LC040A-I/JSN | SOIC-8 | 4Kbit | 10MHz | 2.5V-5.5V | 72J3683 | --- |
| ● 25LC040A-I/OT | SOT-23-6 | 4Kbit | 10MHz | 2.5V-5.5V | 72J3691 | --- |
| ● 25LC040A-E/OT | SOT-23-6 | 4Kbit | 10MHz | 2.5V-5.5V | 84R4159 | --- |
| SPI, 64K x 8bit | | | | | | |
| ● 25A512-I/P | DIP-8 | 512Kbit | 10MHz | 1.7V-3V | 55T4199 | --- |
| ● 25AA512-I/P | DIP-8 | 512Kbit | 20MHz | 1.8V-5.5V | 17M3492 | --- |
| ● 25A512-I/SN | SOIC-8 | 512Kbit | 10MHz | 1.7V-3V | 55T4200 | --- |
| ● 25AA512-I/SN | SOIC-8 | 512Kbit | 20MHz | 1.8V-5.5V | 17M3494 | --- |
| ● 25LC512-I/SN | SOIC-8 | 512Kbit | 20MHz | 2.5V-5.5V | 17M3530 | --- |
| ● 25LC512T-I/SN | SOIC-8 | 512Kbit | 20MHz | 2.5V-5.5V | 30P1219 | 1.45 |
| ● 25LC512-E/SN | SOIC-8 | 512Kbit | 20MHz | 2.5V-5.5V | 17M3526 | 1.76 |
| ● 25AA512-I/SM | SOIJ-8 | 512Kbit | 20MHz | 1.8V-5.5V | 17M3493 | --- |
| ● 25LC512-I/SM | SOIJ-8 | 512Kbit | 20MHz | 2.5V-5.5V | 17M3529 | --- |
| SPI, 8K x 8bit | | | | | | |
| ● 25AA640-I/P | DIP-8 | 64Kbit | 1MHz | 1.8V-5.5V | 96K4083 | --- |
| ● 25LC640-I/P | DIP-8 | 64Kbit | 2MHz | 2.5V-5.5V | 72K7381 | --- |
| ● 25AA640A-I/P | DIP-8 | 64Kbit | 10MHz | 1.8V-5.5V | 27M1298 | --- |
| ● 25AA640A-I/MS | MSOP-8 | 64Kbit | 10MHz | 1.8V-5.5V | 27M1297 | --- |
| ● 25LC640A-E/MS | MSOP-8 | 64Kbit | 10MHz | 2.5V-5.5V | 27M1306 | --- |
| ● 25LC640A-I/MS | MSOP-8 | 64Kbit | 10MHz | 2.5V-5.5V | 27M1310 | --- |
| ● 25AA640-I/SN | SOIC-8 | 64Kbit | 1MHz | 1.8V-5.5V | 92C7379 | --- |
| ● 25AA640T-I/SN | SOIC-8 | 64Kbit | 1MHz | 1.8V-5.5V | 92C7381 | --- |
| ● 25LC640-I/SN | SOIC-8 | 64Kbit | 2MHz | 2.5V-5.5V | 33C2980 | 0.68 |
| ● 25LC640T-I/SN | SOIC-8 | 64Kbit | 3MHz | 2.5V-5.5V | 92C7480 | --- |
| ● 25LC640-E/SN | SOIC-8 | 64Kbit | 3MHz | 2.5V-5.5V | 92C7477 | --- |
| ● 25LC640T-I/SN | SOIC-8 | 64Kbit | 3MHz | 2.5V-5.5V | 14M8289 | 0.68 |
| ● 25AA640A-I/SN | SOIC-8 | 64Kbit | 10MHz | 1.8V-5.5V | 27M1299 | --- |
| ● 25LC640A-I/SN | SOIC-8 | 64Kbit | 10MHz | 2.5V-5.5V | 27M1312 | --- |
| ● 25LC640X-I/ST | TSSOP-8 | 64Kbit | 3MHz | 2.5V-5.5V | 62K0615 | --- |
| ● 25AA640A-I/ST | TSSOP-8 | 64Kbit | 10MHz | 1.8V-5.5V | 27M1300 | --- |
| ● 25LC640A-I/ST | TSSOP-8 | 64Kbit | 10MHz | 2.5V-5.5V | 27M1313 | --- |

PIM_108737

SERIAL EEPROM ICs

RoHS
Compliant
Available

Atmel is a leading supplier of Serial EEPROM devices and has shipped over 12 billion devices in the past decade. With the ability to alter single bytes of data, very high write endurance, and very low power consumption, Serial EEPROM devices are widely used to store personal preference and configuration data in a wide spectrum of consumer, automotive, telecommunication, medical, industrial, and PC applications. Atmel offers Serial EEPROM devices in I2C, SPI, Single-Wire, and Microwire compatible protocols. The devices come in a number of industry-standard package types including space saving DFN, TSSOP, SOIC, PDIP, VFBGA, SOT23, and WL CSP packages. Atmel Serial EEPROM devices feature low pin count and are optimized for use in automotive and industrial temperature applications where low-power and low-voltage operation are essential. **AT93xxx** - Microwire (3-wire) compatible Serial EEPROMs with flexible user selectable x16 or x16 memory organization with software write protection to secure data stability. Devices have ultra high write endurance capabilities allowing for greater than 1 million write cycles to each and every memory location to meet the needs of today's high write endurance applications.

► CONTINUED ►

SERIAL EEPROM ICs (CONT.)

AT24xxx - (2-wire) compatible byte and page writable Serial EEPROMs designed to provide simple, yet flexible data storage for the industry's most popular microcontroller, microprocessor, and SoC solutions. Devices have ultra high write endurance capabilities allowing for greater than 1 million write cycles to each and every memory location to meet the needs of today's high write endurance applications.

AT25xxx - SPI -compatible byte and page writable Serial EEPROMs with advanced hardware and software write protection schemes with operating voltages as low as 1.7V. Devices have ultra high write endurance capabilities allowing for greater than 1 million write cycles to each and every memory location to meet the needs of today's high write endurance applications.

| Mfg. Part No. | Packaging | Memory Size | Frequency | Supply Voltage | Stock No. | Price Each |
|---|-----------|-------------|-----------|----------------|-----------|------------|
| 1-249+ | | | | | | |
| 2 Wire, Serial, 1K x 8bit | | | | | | |
| ● AT24C08BY6-YH-T | DFN-8 | 8Kbit | 1MHz | 1.8V-5.5V | 68T4084 | --- |
| ● AT24C08B-TH-B | TSSOP-8 | 8Kbit | 1MHz | 1.8V-5.5V | 68T4079 | 0.34 |
| 2 Wire, Serial, 256K x 8bit | | | | | | |
| ● AT34C02D-MAHM-T | UDFN-8 | 2Kbit | 400kHz | 1.7V-5.5V | 68T4635 | --- |
| 2 Wire, Serial, 512K x 8bit | | | | | | |
| ● AT24C04B-EN-BH-B | SOIC-8 | 4Kbit | 1MHz | 1.8V-5.5V | 68T4152 | --- |
| ● AT24C04B-TH-B | TSSOP-8 | 4Kbit | 1MHz | 1.8V-5.5V | 68T4072 | --- |
| ● AT24C04B-TH-T | TSSOP-8 | 4Kbit | 1MHz | 1.8V-5.5V | 68T4073 | --- |
| ● AT24HC04B-TH-B | TSSOP-8 | 4Kbit | 1MHz | 1.8V-5.5V | 68T4150 | --- |
| 2 Wire, Serial, 8K x 8bit | | | | | | |
| ● AT24C64-10TU-2.7 | TSSOP-8 | 64Kbit | 400kHz | 2.7V-5.5V | 68T4137 | --- |
| 3 Wire, Serial, 128K x 8bit / 64K x 16bit | | | | | | |
| ● AT93C46DN-SH-B | SOIC-8 | 1Kbit | 2MHz | 1.8V-5.5V | 68T5240 | --- |
| ● AT93C46DY6-YH-T | UDFN-8 | 1Kbit | 2MHz | 1.8V-5.5V | 68T5242 | --- |
| 3 Wire, Serial, 256K x 8bit / 128K x 16bit | | | | | | |
| ● AT93C56A-10SU-1.8 | SOIC-8 | 2Kbit | 2MHz | 1.8V-5.5V | 68T5250 | --- |
| ● AT93C56AW-10SU-2.7 | SOIC-8 | 2Kbit | 2MHz | 2.7V-5.5V | 68T5254 | --- |
| ● AT93C56A-10TU-1.8 | TSSOP-8 | 2Kbit | 2MHz | 1.8V-5.5V | 68T5252 | --- |
| 3 Wire, Serial, 2K x 8bit / 1K x 16bit | | | | | | |
| ● AT93C86A-10PU-2.7 | DIP-8 | 16Kbit | 2MHz | 2.7V-5.5V | 68T5266 | --- |
| 3 Wire, Serial, 512 x 8bit / 256 x 16bit | | | | | | |
| ● AT93C66A-10SU-1.8 | SOIC-8 | 4Kbit | 2MHz | 1.8V-5.5V | 68T5258 | --- |
| ● AT93C66W-10SU-2.7 | SOIC-8 | 4Kbit | 2MHz | 2.7V-5.5V | 68T5263 | --- |
| ● AT93C66A-10TU-1.8 | TSSOP-8 | 4Kbit | 2MHz | 1.8V-5.5V | 68T5260 | --- |
| ● AT93C66A-10TU-2.7 | TSSOP-8 | 4Kbit | 2MHz | 2.7V-5.5V | 68T5261 | --- |
| 3 Wire, Serial, 64 x 16bit | | | | | | |
| ● AT93C46E-TH-B | TSSOP-8 | 1Kbit | 2MHz | 1.8V-5.5V | 68T5244 | --- |
| I2C, 16K x 8bit | | | | | | |
| ● AT24C128C-SHBM-B | SOIC-8 | 128Kbit | 1MHz | 1.7V-5.5V | 68T4102 | --- |
| I2C, 1K x 8bit | | | | | | |
| ● AT24C08D-SHBM-B | SOIC-8 | 8Kbit | 1MHz | 1.7V-3.6V | 92T0922 | --- |
| ● AT24C08D-XHBM-B | TSSOP-8 | 8Kbit | 1MHz | 1.7V-3.6V | 92T0925 | --- |
| I2C, 2K x 8bit | | | | | | |
| ● AT24C16C-SHBM-B | SOIC-8 | 16Kbit | 1MHz | 1.7V-5.5V | 68T4108 | --- |
| ● AT24C16C-XHBM-B | TSSOP-8 | 16Kbit | 1MHz | 1.7V-5.5V | 68T4111 | --- |
| I2C, 32K x 8bit | | | | | | |
| ● AT24C256C-SSHBL-T | SOIC-8 | 256Kbit | 1MHz | 1.7V-5.5V | 68T4115 | --- |
| I2C, 512 K x 8bit | | | | | | |
| ● AT24C04D-PUM | DIP-8 | 4Kbit | 1MHz | 1.7V-3.6V | 92T0914 | --- |
| ● AT24C04D-SSHBL-B | SOIC-8 | 4Kbit | 1MHz | 1.7V-3.6V | 92T0915 | 0.17 |
| I2C, 64K x 8bit | | | | | | |
| ● AT24C512C-SHBM-B | SOIC-8 | 512Kbit | 1MHz | 1.7V-3.6V | 68T4128 | --- |
| ● AT24C512C-SHBD-B | SOIC-8 | 512Kbit | 1MHz | 2.5V-5.5V | 68T4124 | --- |
| ● AT24C512C-SHSD-B | SOIC-8 | 512Kbit | 1MHz | 2.5V-5.5V | 68T4126 | --- |
| ● AT24C512C-XHBM-B | TSSOP-8 | 512Kbit | 400kHz | 1.7V-3.6V | 68T4133 | --- |
| I2C, 8K x 8bit | | | | | | |
| ● AT24C64D-XHBM-T | TSSOP-8 | 64Kbit | 1MHz | 1.7V-5.5V | 68T4143 | --- |
| Serial, 1K x 8bit | | | | | | |
| ● AT24C32D-XHBM | TSSOP-8 | 32Kbit | 1MHz | 1.7V-5.5V | 68T4078 | --- |
| Serial, 512 x 8bit / 256 x 16bit | | | | | | |
| ● AT93C66B-MAHM-T | UDFN-8 | 4Kbit | 2MHz | 1.7V-5.5V | 92T0997 | --- |
| Serial, 64 x 16bit | | | | | | |
| ● AT93C46N-SH-T | SOIC-8 | 1Kbit | 2MHz | 1.8V-5.5V | 68T5247 | --- |
| Serial, SPI, 128 x 8bit | | | | | | |
| ● AT25010B-SSH-L-T | SOIC-8 | 1Kbit | 20MHz | 1.8V-5.5V | 68T4209 | --- |
| Serial, SPI, 2K x 8bit | | | | | | |
| ● AT25160B-SSH-L | SOIC-8 | 16Kbit | 20MHz | 1.8V-5.5V | 68T4233 | --- |
| Serial, SPI, 4K x 8bit | | | | | | |
| ● AT25320B-XHL-B | TSSOP-8 | 32Kbit | 20MHz | 1.8V-5.5V | 68T4245 | --- |
| Serial, SPI, 8K x 8bit | | | | | | |
| ● AT25640B-XHL-T | TSSOP-8 | 64Kbit | 20MHz | 1.8V-5.5V | 68T4256 | --- |
| SPI, 16K x 8bit | | | | | | |
| ● AT25128B-XHL-B | TSSOP-8 | 128Kbit | 20MHz | 1.8V-5.5V | 68T4230 | --- |

► CONTINUED ►

SERIAL EEPROM ICs (CONT.)

| Mfg. Part No. | Packaging | Memory Size | Frequency | Supply Voltage | Stock No. | Price Each |
|-------------------|-----------|-------------|-----------|----------------|-----------|------------|
| SPI, 256K x 8bit | | | | | | 1-249+ |
| ● AT25020B-SSHL-B | SOIC-8 | 2Kbit | 20MHz | 1.8V-5.5V | 68T4213 | --- |
| SPI, 512K x 8bit | | | | | | |
| ● AT25040B-SSHL-T | SOIC-8 | 4Kbit | 20MHz | 1.8V-5.5V | 68T4219 | --- |
| ● AT25040B-SSHL-B | SOIC-8 | 4Kbit | 20MHz | 1.8V-5.5V | 68T4218 | --- |
| SPI, 8K x 8bit | | | | | | |
| ● AT25640B-SSHL-T | SOIC-8 | 64Kbit | 20MHz | 1.8V-5.5V | 68T4254 | --- |
| ● AT25640B-XHL-B | TSSOP-8 | 64Kbit | 20MHz | 1.8V-5.5V | 68T4255 | --- |

PIM_197986

I2C SERIAL EEPROMS



ON Semiconductor



Serial EEPROM products are used in many applications to store user reconfigurable data. Common applications are disk drives, modems, cellular phones, VCRs, CD players, hearing aids, PCMCIA cards, cordless phones, laser printers, computers and pagers. These serial EEPROMs are compatible with I^C™ bus protocol and are offered in high density, 1K to 256K, and wide voltage, 1.8V to 6V, ranges. These EEPROM products also meet the automotive specifications for both inside-the-cabin and under-the-hood applications and are specified over the entire voltage range of 1.8V to 6.0V at the automotive temperature extremes. Suffix: G: Shipping Tube, 50 Units / Tube; GT3: Tape & Reel, 3,000 Units / Reel

| Mfg. Part No. | Packaging | Memory Size | Frequency | Supply Voltage | Stock No. | Tape Cut |
|---------------|-----------|-------------|-----------|----------------|-----------|----------|
| I2C | | | | | | 1-24+ |

| | | | | | | |
|------------------|---------|-------|--------|-----------|---------|------|
| ● CAT24C04YI-GT3 | TSSOP-8 | 4Kbit | 400kHz | 1.7V-5.5V | 08R5405 | 0.07 |
|------------------|---------|-------|--------|-----------|---------|------|

| | | | | | | |
|------------------|--|--|--|--|--|--|
| I2C, 128K x 8bit | | | | | | |
|------------------|--|--|--|--|--|--|

| | | | | | | |
|----------------|-------|-------|------|-----------|---------|-----|
| ● CAT24M01LI-G | DIP-8 | 1Mbit | 1MHz | 1.8V-5.5V | 52T7614 | --- |
|----------------|-------|-------|------|-----------|---------|-----|

| | | | | | | |
|----------------|--------|-------|------|-----------|---------|-----|
| ● CAT24M01WI-G | SOIC-8 | 1Mbit | 1MHz | 1.8V-5.5V | 52T7615 | --- |
|----------------|--------|-------|------|-----------|---------|-----|

| | | | | | | |
|-----------------|--|--|--|--|--|--|
| I2C, 128 x 8bit | | | | | | |
|-----------------|--|--|--|--|--|--|

| | | | | | | |
|----------------|-------|-------|--------|-----------|---------|-----|
| ● CAT24C01LI-G | DIP-8 | 1Kbit | 400kHz | 1.7V-5.5V | 06R0484 | --- |
|----------------|-------|-------|--------|-----------|---------|-----|

| | | | | | | |
|----------------|--------|-------|--------|-----------|---------|-----|
| ● CAT24C01WI-G | SOIC-8 | 1Kbit | 400kHz | 1.7V-5.5V | 06R0486 | --- |
|----------------|--------|-------|--------|-----------|---------|-----|

| | | | | | | |
|------------------|--------|-------|--------|-----------|---------|-----|
| ● CAT24C01WI-GT3 | SOIC-8 | 1Kbit | 400kHz | 1.7V-5.5V | 08R5400 | --- |
|------------------|--------|-------|--------|-----------|---------|-----|

| | | | | | | |
|-----------------|--|--|--|--|--|--|
| I2C, 16K x 8bit | | | | | | |
|-----------------|--|--|--|--|--|--|

| | | | | | | |
|-----------------|-------|---------|--------|-----------|---------|-----|
| ● CAT24C128LI-G | DIP-8 | 128Kbit | 400kHz | 1.8V-5.5V | 06R0528 | --- |
|-----------------|-------|---------|--------|-----------|---------|-----|

| | | | | | | |
|-----------------|--------|---------|--------|-----------|---------|-----|
| ● CAT24C128WI-G | SOIC-8 | 128Kbit | 400kHz | 1.8V-5.5V | 06R0529 | --- |
|-----------------|--------|---------|--------|-----------|---------|-----|

| | | | | | | |
|-------------------|--------|---------|--------|-----------|---------|------|
| ● CAT24C128WI-GT3 | SOIC-8 | 128Kbit | 400kHz | 1.8V-5.5V | 08R5409 | 0.18 |
|-------------------|--------|---------|--------|-----------|---------|------|

| | | | | | | |
|----------------|--|--|--|--|--|--|
| I2C, 1K x 8bit | | | | | | |
|----------------|--|--|--|--|--|--|

| | | | | | | |
|----------------|-------|-------|--------|-----------|---------|-----|
| ● CAT24C08LI-G | DIP-8 | 8Kbit | 400kHz | 1.7V-5.5V | 06R0519 | --- |
|----------------|-------|-------|--------|-----------|---------|-----|

| | | | | | | |
|----------------|--------|-------|--------|-----------|---------|-----|
| ● CAT24C08WI-G | SOIC-8 | 8Kbit | 400kHz | 1.7V-5.5V | 06R0521 | --- |
|----------------|--------|-------|--------|-----------|---------|-----|

| | | | | | | |
|------------------|--------|-------|--------|-----------|---------|------|
| ● CAT24C08WI-GT3 | SOIC-8 | 8Kbit | 400kHz | 1.7V-5.5V | 08R5408 | 0.14 |
|------------------|--------|-------|--------|-----------|---------|------|

| | | | | | | |
|-----------------|--------|-------|--------|-----------|---------|-----|
| ● CAT24C208WI-G | SOIC-8 | 8Kbit | 400kHz | 2.5V-5.5V | 06R0547 | --- |
|-----------------|--------|-------|--------|-----------|---------|-----|

| | | | | | | |
|-------------------|--------|-------|--------|-----------|---------|-----|
| ● CAT24C208WI-GT3 | SOIC-8 | 8Kbit | 400kHz | 2.5V-5.5V | 08R5411 | --- |
|-------------------|--------|-------|--------|-----------|---------|-----|

| | | | | | | |
|------------------|--|--|--|--|--|--|
| I2C, 256K x 8bit | | | | | | |
|------------------|--|--|--|--|--|--|

| | | | | | | |
|--------------------|-----------|-------|--------|-----------|---------|-----|
| ● CAT24AA02TDI-GT3 | TSOT-23-5 | 2Kbit | 400kHz | 1.7V-5.5V | 08R5399 | --- |
|--------------------|-----------|-------|--------|-----------|---------|-----|

| | | | | | | |
|----------------|---------|-------|--------|-----------|---------|-----|
| ● CAT34C02YI-G | TSSOP-8 | 2Kbit | 400kHz | 1.7V-5.5V | 06R0958 | --- |
|----------------|---------|-------|--------|-----------|---------|-----|

| | | | | | | |
|----------------|--|--|--|--|--|--|
| I2C, 2K x 8bit | | | | | | |
|----------------|--|--|--|--|--|--|

| | | | | | | |
|----------------|-------|--------|--------|-----------|---------|-----|
| ● CAT24C16LI-G | DIP-8 | 16Kbit | 400kHz | 1.7V-5.5V | 06R0533 | --- |
|----------------|-------|--------|--------|-----------|---------|-----|

| | | | | | | |
|----------------|-------|--------|--------|-----------|---------|-----|
| ● CAT24C16WI-G | DIP-8 | 16Kbit | 400kHz | 1.8V-5.5V | 06R0541 | --- |
|----------------|-------|--------|--------|-----------|---------|-----|

| | | | | | | |
|------------------|--------|--------|--------|-----------|---------|-----|
| ● CAT24C16WI-GT3 | SOIC-8 | 16Kbit | 400kHz | 1.8V-5.5V | 06R0543 | --- |
|------------------|--------|--------|--------|-----------|---------|-----|

| | | | | | | |
|------------------|--------|--------|--------|-----------|---------|-----|
| ● CAT24C16WI-GT3 | SOIC-8 | 16Kbit | 400kHz | 1.8V-5.5V | 08R5410 | --- |
|------------------|--------|--------|--------|-----------|---------|-----|

| | | | | | | |
|--------------------|--------|--------|--------|-----------|---------|-----|
| ● CAT24C16WI-XI-T2 | SOIC-8 | 16Kbit | 400kHz | 1.7V-5.5V | 10R6862 | --- |
|--------------------|--------|--------|--------|-----------|---------|-----|

| | | | | | | |
|-----------------|--|--|--|--|--|--|
| I2C, 32K x 8bit | | | | | | |
|-----------------|--|--|--|--|--|--|

| | | | | | | |
|-----------------|-------|---------|--------|-----------|---------|-----|
| ● CAT24C256LI-G | DIP-8 | 256Kbit | 400kHz | 1.8V-5.5V | 06R0551 | --- |
|-----------------|-------|---------|--------|-----------|---------|-----|

| | | | | | | |
|-----------------|--------|---------|--------|-----------|---------|------|
| ● CAT24C256WI-G | SOIC-8 | 256Kbit | 400kHz | 1.8V-5.5V | 06R0552 | 0.84 |
|-----------------|--------|---------|--------|-----------|---------|------|

| | | | | | | |
|-------------------|--------|---------|--------|-----------|---------|------|
| ● CAT24C256WI-GT3 | SOIC-8 | 256Kbit | 400kHz | 1.8V-5.5V | 08R5412 | 0.27 |
|-------------------|--------|---------|--------|-----------|---------|------|

| | | | | | | |
|------------------|--------|---------|--------|-----------|---------|-----|
| ● CAT24C256XI-T2 | SOIC-8 | 256Kbit | 400kHz | 1.8V-5.5V | 06R0554 | --- |
|------------------|--------|---------|--------|-----------|---------|-----|

| | | | | | | |
|----------------|--|--|--|--|--|--|
| I2C, 4K x 8bit | | | | | | |
|----------------|--|--|--|--|--|--|

| | | | | | | |
|----------------|-------|--------|--------|-----------|---------|-----|
| ● CAT24C32LI-G | DIP-8 | 32Kbit | 400kHz | 1.7V-5.5V | 06R0558 | --- |
|----------------|-------|--------|--------|-----------|---------|-----|

| | | | | | | |
|----------------|--------|--------|--------|-----------|---------|------|
| ● CAT24C32WI-G | SOIC-8 | 32Kbit | 400kHz | 1.7V-5.5V | 06R0560 | 0.22 |
|----------------|--------|--------|--------|-----------|---------|------|

| | | | | | | |
|------------------|--------|--------|--------|-----------|---------|------|
| ● CAT24C32WI-GT3 | SOIC-8 | 32Kbit | 400kHz | 1.7V-5.5V | 08R5414 | 0.18 |
|------------------|--------|--------|--------|-----------|---------|------|

| | | | | | | |
|---------------------|---------|--------|--------|-----------|---------|-----|
| ● CAT24C32WI-YI-GT3 | TSSOP-8 | 32Kbit | 400kHz | 1.7V-5.5V | 08R5415 | --- |
|---------------------|---------|--------|--------|-----------|---------|-----|

| | | | | | | |
|------------------|--|--|--|--|--|--|
| I2C, 512K x 8bit | | | | | | |
|------------------|--|--|--|--|--|--|

| | | | | | | |
|----------------|--------|-------|--------|-----------|---------|------|
| ● CAT24C04WI-G | SOIC-8 | 4Kbit | 400kHz | 1.7V-5.5V | 06R0507 | 0.17 |
|----------------|--------|-------|--------|-----------|---------|------|

| | | | | | | |
|------------------|--------|-------|--------|-----------|---------|-----|
| ● CAT24C05WI-GT3 | SOIC-8 | 4Kbit | 400kHz | 1.8V-5.5V | 08R5406 | --- |
|------------------|--------|-------|--------|-----------|---------|-----|

| | | | | | | |
|-----------------|--|--|--|--|--|--|
| I2C, 64K x 8bit | | | | | | |
|-----------------|--|--|--|--|--|--|

| | | | | | | |
|-------------------|--------|---------|------|-----------|---------|-----|
| ● CAT24C512WI-GT3 | SOIC-8 | 512Kbit | 1MHz | 1.8V-5.5V | 52T7610 | --- |
|-------------------|--------|---------|------|-----------|---------|-----|

SERIAL EEPROM MEMORY ICS

1

MICROWIRE® COMPATIBLE SERIAL EEPROMS (CONT.)

| Mfg. Part No. | Packaging | Memory Size | Frequency | Supply Voltage | Stock No. | Price Each |
|--|-----------|-------------|-----------|----------------|-----------|------------|
| | | | | | | 1-24+ |
| Microwire, 256 x 16bit | | | | | | |
| ● 93LC66B/P | DIP-8 | 4Kbit | 2MHz | 2.5V-5.5V | 33C3024 | --- |
| ● 93C66B-I/P | DIP-8 | 4Kbit | 3MHz | 4.5V-5.5V | 61H6625 | 0.32 |
| ● 93LC66B-I/MS | MSOP-8 | 4Kbit | 2MHz | 2.5V-5.5V | 30H4819 | --- |
| ● 93LC66B-I/SN | SOIC-8 | 4Kbit | 2MHz | 2.5V-5.5V | 88K1505 | --- |
| ● 93LC66B/SN | SOIC-8 | 4Kbit | 2MHz | 2.5V-5.5V | 69K7678 | --- |
| ● 93C66B-I/SN | SOIC-8 | 4Kbit | 3MHz | 4.5V-5.5V | 61H6627 | --- |
| ● 93AA66BT-I/OT | SOT-23-6 | 4Kbit | 2MHz | 1.8V-5.5V | 30H4568 | --- |
| ● 93LC66BT-I/OT | SOT-23-6 | 4Kbit | 2MHz | 2.5V-5.5V | 30H4829 | --- |
| ● 93LC66BT-I/SN | TSSOP-8 | 4Kbit | 3MHz | 2.5V-5.5V | 92C7718 | --- |
| Microwire, 2K x 8bit | | | | | | |
| ● 93LC86AT-I/OT | SOT-23-6 | 16Kbit | 3MHz | 2.5V-5.5V | 61H6893 | --- |
| Microwire, 2K x 8bit / 1K x 16bit | | | | | | |
| ● 93LC86C-I/P | DIP-8 | 16Kbit | 3MHz | 2.5V-5.5V | 96K4116 | --- |
| ● 93LC86/P | DIP-8 | 16Kbit | 3MHz | 2.5V-6V | 62K2087 | --- |
| ● 93AA86C-I/SN | SOIC-8 | 16Kbit | 3MHz | 1.8V-5.5V | 61H6505 | --- |
| ● 93LC86/SN | SOIC-8 | 16Kbit | 3MHz | 2.5V-6V | 62K2088 | --- |
| ● 93C86C-I/SN | SOIC-8 | 16Kbit | 3MHz | 4.5V-5.5V | 61H6767 | --- |
| Microwire, 512K x 8bit | | | | | | |
| ● 93LC66A-I/P | DIP-8 | 4Kbit | 2MHz | 2.5V-5.5V | 69K7677 | --- |
| ● 93C66A-I/P | DIP-8 | 4Kbit | 3MHz | 4.5V-5.5V | 61H6596 | --- |
| ● 93AA66AT-I/OT | SOT-23-6 | 4Kbit | 2MHz | 1.8V-5.5V | 30H4548 | --- |
| ● 93LC66A-I/SN | TSSOP-8 | 4Kbit | 3MHz | 2.5V-5.5V | 92C7707 | --- |
| Microwire, 512 x 8bit | | | | | | |
| ● 93LC66A-I/MS | MSOP-8 | 4Kbit | 2MHz | 2.5V-5.5V | 30H4798 | --- |
| Microwire, 512 x 8bit / 256 x 16bit | | | | | | |
| ● 93LC66/P | DIP-8 | 4Kbit | 2MHz | 2.5V-5.5V | 62K2086 | --- |
| ● 93LC66-I/P | DIP-8 | 4Kbit | 2MHz | 2.5V-5.5V | 92C7704 | --- |
| ● 93C66C-I/P | DIP-8 | 4Kbit | 3MHz | 4.5V-5.5V | 30H4674 | --- |
| ● 93LC66-I/SN | SOIC-8 | 4Kbit | 2MHz | 2.5V-5.5V | 92C7705 | --- |
| ● 93AA66C-I/SN | SOIC-8 | 4Kbit | 3MHz | 1.8V-5.5V | 30H4582 | --- |
| ● 93LC66C-I/SN | SOIC-8 | 4Kbit | 3MHz | 2.5V-5.5V | 30H4844 | --- |
| Microwire, 64 x 16bit | | | | | | |
| ● 93AA46B-I/P | DIP-8 | 1Kbit | 2MHz | 1.8V-5.5V | 92C7546 | --- |
| ● 93C46B/P | DIP-8 | 1Kbit | 2MHz | 4.5V-5.5V | 69K7676 | 0.28 |
| ● 93LC46B/P | DIP-8 | 1Kbit | 3MHz | 2.5V-5.5V | 33C3016 | --- |
| ● 93LC46B-II/P | DIP-8 | 1Kbit | 3MHz | 2.5V-5.5V | 62K2083 | --- |
| ● 93C46B-II/P | DIP-8 | 1Kbit | 3MHz | 4.5V-5.5V | 54K2866 | 0.28 |
| ● 93C46B-I/SN | SOIC-8 | 1Kbit | 2MHz | 4.5V-5.5V | 12C2023 | --- |
| ● 93C46B-T/I/SN | SOIC-8 | 1Kbit | 2MHz | 4.5V-5.5V | 62K2082 | --- |
| ● 93AA46B-I/SN | SOIC-8 | 1Kbit | 3MHz | 1.8V-5.5V | 92C7547 | --- |
| ● 93LC46B/SN | SOIC-8 | 1Kbit | 3MHz | 2.5V-5.5V | 65K1153 | 0.21 |
| ● 93LC46BX/SN | SOIC-8 | 1Kbit | 3MHz | 2.5V-5.5V | 92C7666 | --- |
| ● 93C46BT/SN | SOIC-8 | 1Kbit | 3MHz | 4.5V-5.5V | 12C2027 | --- |
| ● 93AA46BT-I/OT | SOT-23-6 | 1Kbit | 3MHz | 1.8V-5.5V | 92C7551 | --- |
| ● 93LC46BT-I/OT | SOT-23-6 | 1Kbit | 3MHz | 2.5V-5.5V | 75M3689 | 0.19 |
| ● 93LC46BT-I/OT | SOT-23-6 | 1Kbit | 3MHz | 2.5V-5.5V | 92C7662 | --- |
| ● 93C46BT-I/OT | SOT-23-6 | 1Kbit | 3MHz | 4.5V-5.5V | 92C7609 | --- |
| ● 93LC46B/ST | TSSOP-8 | 1Kbit | 3MHz | 2.5V-5.5V | 90C0041 | --- |
| ● 93LC46B-I/ST | TSSOP-8 | 1Kbit | 3MHz | 2.5V-5.5V | 92C7658 | --- |
| ● 93LC46BT-I/ST | TSSOP-8 | 1Kbit | 3MHz | 2.5V-5.5V | 92C7663 | --- |
| ● 93C46B-I/ST | TSSOP-8 | 1Kbit | 3MHz | 4.5V-5.5V | 92C7602 | --- |

PIM_10738

SPI SERIAL EEPROMS



ON Semiconductor



Serial EEPROM products are used in many applications to store user reconfigurable data. Common applications are disk drives, modems, cellular phones, VCRs, CD players, hearing aids, PCMCIA cards, cordless phones, laser printers, computers and pagers. These serial EEPROMs are compatible with SPI™ bus protocol and are offered in high density, 1K to 256K, and wide voltage, 1.8V to 6V, ranges. These EEPROM products also meet the automotive specifications for both inside-the-cabin and under-the-hood applications and are specified over the entire voltage range of 1.8V to 6.0V at the automotive temperature extremes.

| Mfg. Part No. | Packaging | Memory Size | Frequency | Supply Voltage | Stock No. | Price Each |
|------------------------|-----------|-------------|-----------|----------------|-----------|------------|
| | | | | | | 1-9+ |
| I2C, 128 x 8bit | | | | | | |
| ● CAT25010LI-G | DIP-8 | 1Kbit | 10MHz | 1.8V-5.5V | 06R0576 | --- |
| SPI, 128 x 8bit | | | | | | |
| ● CAT25010VI-G | SOIC-8 | 1Kbit | 10MHz | 1.8V-5.5V | 06R0577 | --- |
| ● CAT25010VI-GT3 | SOIC-8 | 1Kbit | 10MHz | 1.8V-5.5V | 08R5419 | --- |
| ● CAT25010YI-G | TSSOP-8 | 1Kbit | 10MHz | 1.8V-5.5V | 06R0580 | --- |

SPI SERIAL EEPROMS (CONT.)

| Mfg. Part No. | Packaging | Memory Size | Frequency | Supply Voltage | Stock No. | Price Each |
|---|-----------|-------------|-----------|----------------|-----------|------------|
| | | | | | | 1-9+ |
| SPI, 16K x 8bit | | | | | | |
| ● CAT25128LI-G | DIP-8 | 128Kbit | 10MHz | 1.8V-5.5V | 06R0600 | --- |
| ● CAT25128VI-G | SOIC-8 | 128Kbit | 10MHz | 1.8V-5.5V | 06R0601 | --- |
| ● CAT25128VI-GT3 | SOIC-8 | 128Kbit | 10MHz | 1.8V-5.5V | 08R5426 | --- |
| SPI, 1K x 8bit | | | | | | |
| ● CAT25080LI-G | DIP-8 | 8Kbit | 10MHz | 1.8V-5.5V | 06R0594 | --- |
| ● CAT25080VI-G | SOIC-8 | 8Kbit | 5MHz | 1.8V-5.5V | 06R0595 | --- |
| ● CAT25080VI-GT3 | SOIC-8 | 8Kbit | 10MHz | 1.8V-5.5V | 08R5424 | --- |
| ● CAT25080YI-GT3 | TSSOP-8 | 8Kbit | 10MHz | 1.8V-5.5V | 08R5425 | --- |
| SPI, 256K x 8bit | | | | | | |
| ● CAT25020LI-G | DIP-8 | 2Kbit | 10MHz | 1.8V-5.5V | 06R0582 | --- |
| ● CAT25020VI-G | SOIC-8 | 2Kbit | 10MHz | 1.8V-5.5V | 06R0583 | --- |
| ● CAT25020VI-GT3 | SOIC-8 | 2Kbit | 10MHz | 1.8V-5.5V | 08R5421 | 0.14 |
| SPI, 2K x 8bit | | | | | | |
| ● CAT25160LI-G | DIP-8 | 16Kbit | 10MHz | 1.8V-5.5V | 06R0608 | --- |
| ● CAT25160VI-G | SOIC-8 | 16Kbit | 10MHz | 1.8V-5.5V | 06R0609 | 0.21 |
| ● CAT25160YI-G | TSSOP-8 | 16Kbit | 5MHz | 1.8V-5.5V | 06R0612 | 0.38 |
| ● CAT25160YI-GT3 | TSSOP-8 | 16Kbit | 10MHz | 1.8V-5.5V | 08R5428 | 0.11 |
| SPI, 32K x 8bit | | | | | | |
| ● CAT25256LI-G | DIP-8 | 256Kbit | 10MHz | 1.8V-5.5V | 06R0614 | --- |
| ● CAT25256VI-G | SOIC-8 | 256Kbit | 5MHz | 1.8V-5.5V | 06R0615 | 0.84 |
| ● CAT25256XI | SOIC-8 | 256Kbit | 5MHz | 1.8V-5.5V | 06R0617 | 1.01 |
| ● CAT25256XI-T2 | SOIC-8 | 256Kbit | 10MHz | 1.8V-5.5V | 08R5429 | 0.39 |
| SPI, 4K x 8bit | | | | | | |
| ● CAT25320LI-G | DIP-8 | 32Kbit | 10MHz | 1.8V-5.5V | 06R0621 | --- |
| ● CAT25320VI-G | SOIC-8 | 32Kbit | 10MHz | 1.8V-5.5V | 06R0622 | --- |
| ● CAT25320VI-GT3 | SOIC-8 | 32Kbit | 10MHz | 1.8V-5.5V | 08R5430 | --- |
| SPI, 512K x 8bit | | | | | | |
| ● CAT25040LI-G | DIP-8 | 4Kbit | 10MHz | 1.8V-5.5V | 06R0588 | --- |
| ● CAT25040VI-G | SOIC-8 | 4Kbit | 10MHz | 1.8V-5.5V | 06R0589 | --- |
| ● CAT25040VI-GT3 | SOIC-8 | 4Kbit | 10MHz | 1.8V-5.5V | 08R5422 | --- |
| ● CAT25040YI-GT3 | TSSOP-8 | 4Kbit | 10MHz | 1.8V-5.5V | 08R5423 | --- |
| PIM_147905 | | | | | | |
| S29GL SERIES MIRRORBIT FLASH MEMORY | | | | | | |
| Features: | | | | | | |
| ● Fast Page Access Time: 25ns | | | | | | |
| ● 100,000 Erase Cycles (Typ.) per Sector | | | | | | |
| ● 20 yr. Data Retention (Typ.) | | | | | | |
| ● Hardware Reset Input Resets Device | | | | | | |
| ● Support for CFI (Common Flash Interface) | | | | | | |
| ● Single 3V Read/Program/Erase | | | | | | |
| S29GL01G/512/256/128P are Mirrorbit® Flash products fabricated on 90 nm process technology. These devices offer a fast page access time of 25 ns with a corresponding random access time as fast as 90 ns. They feature a Write Buffer that allows a maximum of 32 words/64 bytes to be programmed in one operation, resulting in faster effective programming time than standard programming algorithms. This makes these devices ideal for today's embedded applications that require higher density, better performance and lower power consumption. | | | | | | |
| Distinctive Characteristics: | | | | | | |
| Uniform 64 Kword/128 Kbyte Sector Architecture | | | | | | |
| - S29GL01GP: One thousand twenty-four sectors; S29GL512P: Five hundred twelve sectors | | | | | | |
| - S29GL256P: Two hundred fifty-six sectors; - S29GL128P: One hundred twenty-eight sectors | | | | | | |
| WP#/ACC input | | | | | | |
| - Accelerates programming time (when VHH is applied) for greater throughput during system production | | | | | | |
| - Protects first or last sector regardless of sector protection settings | | | | | | |
| MPN is formed by a valid combination of the following: | | | | | | |
| DEVICE NUMBER/DESCRIPTION | | | | | | |
| S29GL01GP; S29GL512P; S29GL256P; S29GL128P 3.0 Volt-only | | | | | | |
| 1024, 512, 256 and 128 Megabit Page-Mode Flash Memory manufactured on 90 nm MirrorBit® process technology. | | | | | | |
| SPEED OPTION | | | | | | |
| 90 = 90 ns 10 = 100 ns 11 = 110 ns 12 = 120 ns 13 = 130 ns | | | | | | |
| PACKAGE TYPE | | | | | | |
| A= Pb F= Pb-free | | | | | | |
| TEMPERATURE RANGE | | | | | | |
| I = Industrial (-40°C to +85°C) C = Commercial (0°C to +85°C) | | | | | | |



 SPANSION®

► CONTINUED ►

► CONTINUED ►

S29GL SERIES MIRRORBIT FLASH MEMORY (CONT.)

| | |
|--------------------------|--|
| MODEL NUMBER (Vio range) | 01 = VIO = VCC = 2.7 to 3.6V 02 = VIO = VCC = 2.7 to 3.6V V1= VIO = 1.65 to VCC, VCC = 2.7 to 3.6V V2= VIO = 1.65 to VCC, VCC = 2.7 to 3.6V R1= VIO = VCC = 3.0 to 3.6V R2= VIO = VCC = 3.0 to 3.6V |
| PACKING TYPE | 0 = Tray 2 = 7" Tape and Reel 3 = 13" Tape and Reel |

| Mfg. Part No. | Packaging | Memory Size | Supply Voltage | Stock No. | Price Each 1-9+ |
|----------------------|-----------|-------------|----------------|-----------|--------------------|
| CFI, Parallel | | | | | |
| ● S29GL032N90BFI040 | BGA-48 | 32Mbit | 2.7V-3.6V | 59M8842 | --- |
| ● S29GL064N90BFI030 | BGA-48 | 64Mbit | 2.7V-3.6V | 12P0108 | --- |
| ● S29GL032N90FFI040 | BGA-64 | 32Mbit | 2.7V-3.6V | 12P0106 | --- |
| ● S29GL032N90FFI010 | BGA-64 | 32Mbit | 2.7V-3.6V | 59M8843 | 2.47 |
| ● S29GL064N90FFI040 | BGA-64 | 64Mbit | 2.7V-3.6V | 14P9353 | 3.76 |
| ● S29GL128P11FFI010 | BGA-64 | 128Mbit | 2.7V-3.6V | 34M8718 | --- |
| ● S29GL128P11FFI020 | BGA-64 | 128Mbit | 2.7V-3.6V | 34M8719 | --- |
| ● S29GL128P10FFI020 | BGA-64 | 128Mbit | 2.7V-3.6V | 34M8715 | --- |
| ● S29GL128P90FFI10 | BGA-64 | 128Mbit | 3V-3.6V | 14N7122 | 3.93 |
| ● S29GL256P10FFI010 | BGA-64 | 256Mbit | 2.7V-3.6V | 34M8724 | --- |
| ● S29GL256P10FFI020 | BGA-64 | 256Mbit | 2.7V-3.6V | 34M8725 | --- |
| ● S29GL256P90FFI10 | BGA-64 | 256Mbit | 3V-3.6V | 14N7123 | 6.02 |
| ● S29GL032N90TFI010 | TSOP-56 | 32Mbit | 2.7V-3.6V | 59M8846 | --- |
| ● S29GL032N90TFI020 | TSOP-56 | 32Mbit | 2.7V-3.6V | 59M8847 | --- |
| ● S29GL064N90TFI070 | TSOP-56 | 64Mbit | 2.7V-3.6V | 89M2721 | --- |
| ● S29GL128P10TFI020 | TSOP-56 | 128Mbit | 2.7V-3.6V | 34M8717 | 3.93 |
| ● S29GL256P11TFI020 | TSOP-56 | 256Mbit | 2.7V-3.6V | 34M8731 | --- |
| ● S29GL256P10TFI020 | TSOP-56 | 256Mbit | 2.7V-3.6V | 34M8727 | 6.71 |
| ● S29GL256P90TFCR10 | TSOP-56 | 256Mbit | 3V-3.6V | 89M5380 | --- |
| ● S29GL512P10TFIR10 | TSOP-56 | 512Mbit | 3V-3.6V | 89M5388 | --- |

CFI, Parallel, 16M x 16bit

| | | | | | |
|---------------------|---------|---------|-----------|---------|-----|
| ● S29GL256S10DHIV10 | BGA-64 | 256Mbit | 2.7V-3.6V | 63T2578 | --- |
| ● S29GL256S10DHIV20 | BGA-64 | 256Mbit | 2.7V-3.6V | 63T2579 | --- |
| ● S29GL256S90TFI010 | TSOP-56 | 256Mbit | 2.7V-3.6V | 63T2593 | --- |

CFI, Parallel, 16M x 8bit

| | | | | | |
|---------------------|--------|---------|---------|---------|-----|
| ● S29GL128P90FFIR20 | BGA-64 | 128Mbit | 3V-3.6V | 72M6095 | --- |
|---------------------|--------|---------|---------|---------|-----|

CFI, Parallel, 32M x 8bit

| | | | | | |
|---------------------|--------|---------|---------|---------|------|
| ● S29GL256P90FFIR20 | BGA-64 | 256Mbit | 3V-3.6V | 14N7124 | 7.46 |
|---------------------|--------|---------|---------|---------|------|

CFI, Parallel, 4M x 8bit

| | | | | | |
|---------------------|--------|--------|-----------|---------|-----|
| ● S29GL032N90FFI020 | BGA-64 | 32Mbit | 2.7V-3.6V | 59M8844 | --- |
|---------------------|--------|--------|-----------|---------|-----|

CFI, Parallel, 4M x 8bit / 2M x 16bit

| | | | | | |
|---------------------|---------|--------|-----------|---------|------|
| ● S29GL032N90TFI030 | TSOP-48 | 32Mbit | 2.7V-3.6V | 59M8848 | 2.30 |
| ● S29GL032N90TFI040 | TSOP-48 | 32Mbit | 2.7V-3.6V | 14P9352 | 2.33 |

CFI, Parallel, 64M x 16bit

| | | | | | |
|---------------------|---------|----------|-----------|---------|-----|
| ● S29GL01GS11TFI020 | TSOP-56 | 1024Mbit | 2.7V-3.6V | 39T5701 | --- |
|---------------------|---------|----------|-----------|---------|-----|

CFI, Parallel, 8M x 8bit

| | | | | | |
|---------------------|--------|--------|-----------|---------|------|
| ● S29GL064S70BHI030 | BGA-48 | 64Mbit | 2.7V-3.6V | 44X7068 | 2.77 |
| ● S29GL064S70BHI040 | BGA-48 | 64Mbit | 2.7V-3.6V | 44X7069 | --- |

| | | | | | |
|---------------------|--------|--------|-----------|---------|-----|
| ● S29GL064S70FHI020 | BGA-64 | 64Mbit | 2.7V-3.6V | 44X7071 | --- |
|---------------------|--------|--------|-----------|---------|-----|

| | | | | | |
|---------------------|--------|--------|-----------|---------|-----|
| ● S29GL064S70FHI010 | BGA-64 | 64Mbit | 2.7V-3.6V | 44X7070 | --- |
|---------------------|--------|--------|-----------|---------|-----|

| | | | | | |
|---------------------|---------|--------|-----------|---------|-----|
| ● S29GL064N90TFI060 | TSOP-48 | 64Mbit | 2.7V-3.6V | 12P0110 | --- |
|---------------------|---------|--------|-----------|---------|-----|

| | | | | | |
|---------------------|---------|--------|-----------|---------|------|
| ● S29GL064S70TFI030 | TSOP-48 | 64Mbit | 2.7V-3.6V | 44X7074 | 2.00 |
|---------------------|---------|--------|-----------|---------|------|

| | | | | | |
|---------------------|---------|--------|-----------|---------|-----|
| ● S29GL064S70TFI040 | TSOP-48 | 64Mbit | 2.7V-3.6V | 44X7075 | --- |
|---------------------|---------|--------|-----------|---------|-----|

| | | | | | |
|---------------------|---------|--------|-----------|---------|-----|
| ● S29GL064S70TFI020 | TSOP-56 | 64Mbit | 2.7V-3.6V | 44X7073 | --- |
|---------------------|---------|--------|-----------|---------|-----|

| | | | | | |
|---------------------|---------|--------|-----------|---------|------|
| ● S29GL064S70TFI010 | TSOP-56 | 64Mbit | 2.7V-3.6V | 44X7072 | 3.51 |
|---------------------|---------|--------|-----------|---------|------|

| | | | | | |
|---------------------|--------|--------|-----------|---------|------|
| ● S29GL064N90FFI020 | BGA-64 | 64Mbit | 2.7V-3.6V | 12P0109 | 3.76 |
|---------------------|--------|--------|-----------|---------|------|

| | | | | | |
|---------------------|--------|--------|-----------|---------|------|
| ● S29GL064N90FFI010 | BGA-64 | 64Mbit | 2.7V-3.6V | 32R8087 | 3.76 |
|---------------------|--------|--------|-----------|---------|------|

| | | | | | |
|---------------------|---------|--------|-----------|---------|------|
| ● S29GL064N90TFI030 | TSOP-48 | 64Mbit | 2.7V-3.6V | 59M8852 | 3.76 |
|---------------------|---------|--------|-----------|---------|------|

| | | | | | |
|---------------------|---------|--------|-----------|---------|------|
| ● S29GL064N90TFI040 | TSOP-48 | 64Mbit | 2.7V-3.6V | 59M8853 | 1.26 |
|---------------------|---------|--------|-----------|---------|------|

| | | | | | |
|---------------------|---------|--------|-----------|---------|-----|
| ● S29GL064N90TFI010 | TSOP-56 | 64Mbit | 2.7V-3.6V | 59M8850 | --- |
|---------------------|---------|--------|-----------|---------|-----|

| | | | | | |
|---------------------|---------|--------|-----------|---------|-----|
| ● S29GL064N90TFI020 | TSOP-56 | 64Mbit | 2.7V-3.6V | 59M8851 | --- |
|---------------------|---------|--------|-----------|---------|-----|

| | | | | | |
|---------------------|---------|--------|-----------|---------|-----|
| ● S29GL064N90TFI010 | TSOP-56 | 64Mbit | 2.7V-3.6V | 39T5698 | --- |
|---------------------|---------|--------|-----------|---------|-----|

| | | | | | |
|---------------------|---------|--------|-----------|---------|-----|
| ● S29GL064N90TFI020 | TSOP-56 | 64Mbit | 2.7V-3.6V | 27M0851 | --- |
|---------------------|---------|--------|-----------|---------|-----|

► CONTINUED ►

FLASH MEMORY ICS

1

SERIAL NOR FLASH MEMORY DEVICES



FEATURES

- Fast Page Access Time: 25ns
- 100,000 Erase Cycles (Typ.) per Sector
- 20 yr. Data Retention (Typ.)
- Hardware Reset Input Resets Device
- Support for CFI (Common Flash Interface)
- Single 3V Read/Program/Erase

NOR Flash is the ideal memory for code storage in embedded systems due to its fast random read performance. This performance also supports XIP (eXecute In Place) functionality which allows host controllers to execute code directly from the NOR Flash Memory without needing to first copy the code to a RAM. Higher levels of Serial NOR Memory performance have enabled XIP to be used on a wide variety of designs in many applications.

MPN is formed by a valid combination of the following:

| | |
|--|---|
| Device Family | S25FL Spansion Memory 3.0 Volt-Only, Serial Peripheral Interface (SPI) Flash Memory |
| Density | 064 = 64 Mbit |
| Device Technology | P = 0.09 µm MirrorBit® Process Technology |
| Speed | 0X = 104 MHz |
| Package Type | M = 16-pin SO package N = 8-contact WSON 6 x 8mm package B = 24-ball BGA 6 x 8 mm package, 1.00 mm pitch |
| Package Materials | F = Lead (Pb)-free H = Low-Halogen, Lead (Pb)-free |
| Temperature Range | I = Industrial (-40°C to +85°C) V = Automotive In-cabin (-40°C to +105°C) |
| Model Number (Additional Ordering Options) | 03 = 6 x 4 pin configuration BGA package 02 = 5 x 5 pin configuration BGA package 00 = 16-pin SO package / 8-contact WSON package |
| Packing Type | 0 = Tray 1 = Tube 3 = 13" Tape and Reel |

| Mfg. Part No. | Packaging | Memory Size | Frequency | Supply Voltage | Stock No. | Price Each |
|----------------------------------|-----------|-------------|-----------|----------------|----------------|------------|
| | | | | | | 1-9+ |
| Serial, 4K x 256Byte | | | | | | |
| ● S25FL208K0RPMFI011 | SOIC-8 | 8Mbit | 76MHz | 2.7V-3.6V | 45W4068 | 0.32 |
| Serial, SPI | | | | | | |
| ● S25FL032P0XMF001 | SOIC-16 | 32Mbit | 104MHz | 2.7V-3.6V | 83P3960 | --- |
| ● S25FL032P0XMF000 | SOIC-16 | 32Mbit | 104MHz | 2.7V-3.6V | 83P3959 | --- |
| ● S25FL064P0XMF001 | SOIC-16 | 64Mbit | 104MHz | 2.7V-3.6V | 25R3528 | --- |
| ● S25FL064P0XMF000 | SOIC-16 | 64Mbit | 104MHz | 2.7V-3.6V | 32R8085 | --- |
| ● S25FL512SAGMF011 | SOIC-16 | 512Mbit | 133MHz | 2.7V-3.6V | 89T3260 | --- |
| ● S25FL032P0XMF011 | SOIC-8 | 32Mbit | 104MHz | 2.7V-3.6V | 83P3962 | --- |
| ● S25FL032P0XMF010 | SOIC-8 | 32Mbit | 104MHz | 2.7V-3.6V | 83P3961 | --- |
| ● S25FL064P0XNFI000 | WSON-8 | 64Mbit | 104MHz | 2.7V-3.6V | 78R6724 | --- |
| ● S25FL128SAGNF001 | WSON-8 | 128Mbit | 133MHz | 2.7V-3.6V | 76T1520 | --- |
| ● S25FL256SAGNF001 | WSON-8 | 256Mbit | 133MHz | 2.7V-3.6V | 89T3244 | 3.37 |
| Serial, SPI, 16M x 8bit | | | | | | |
| ● S25FL128P0XNFI001 | WSON-8 | 128Mbit | 104MHz | 2.7V-3.6V | 14N7118 | --- |
| Serial, SPI, 8K x 256Byte | | | | | | |
| ● S25FL216K0PMFI011 | SOIC-8 | 16Mbit | 65MHz | 2.7V-3.6V | 45W4074 | --- |
| SPI | | | | | | |
| ● S25FL032P0XBHI020 | BGA-24 | 32Mbit | 104MHz | 2.7V-3.6V | 89T0806 | --- |
| ● S25FL064P0XBHI020 | BGA-24 | 64Mbit | 104MHz | 2.7V-3.6V | 63T2557 | --- |
| ● S25FL256SAGBH1200 | BGA-24 | 256Mbit | 133MHz | 2.7V-3.6V | 76T1523 | --- |
| ● S25FL512SAGBH130 | BGA-24 | 512Mbit | 133MHz | 2.7V-3.6V | 89T3254 | 5.79 |
| ● S25FL128SAGMF011 | SOIC-16 | 128Mbit | 133MHz | 2.7V-3.6V | 76T1518 | --- |
| ● S25FL256SAGMF001 | SOIC-16 | 256Mbit | 133MHz | 2.7V-3.6V | 76T1528 | --- |
| ● S25FL256SAGMF011 | SOIC-16 | 256Mbit | 133MHz | 2.7V-3.6V | 76T1530 | --- |
| ● S25FL512SDPMFI011 | SOIC-16 | 512Mbit | 68MHz | 2.7V-3.6V | 89T3267 | --- |
| ● S25FL512SAGMF111 | SOIC-16 | 512Mbit | 133MHz | 2.7V-3.6V | 89T3257 | 4.56 |
| ● S25FL127SABNF101 | USON-8 | 127Mbit | 108MHz | 2.7V-3.6V | 97W1394 | 2.75 |
| ● S25FL116K0XNFI011 | WSON-8 | 16Mbit | 108MHz | 2.7V-3.6V | 18X3621 | --- |
| ● S25FL032P0XNFI011 | WSON-8 | 32Mbit | 104MHz | 2.7V-3.6V | 78R6723 | --- |
| ● S25FL064P0XNFI001 | WSON-8 | 64Mbit | 104MHz | 2.7V-3.6V | 78R6725 | --- |
| ● S25FL128SAGNF011 | WSON-8 | 128Mbit | 133MHz | 2.7V-3.6V | 76T1522 | --- |
| SPI, 16M x 8bit | | | | | | |
| ● S25FL127SABBHC00 | BGA-24 | 128Mbit | 108MHz | 2.7V-3.6V | 96W2387 | --- |
| ● S25FL128SAGBH1A10 | BGA-24 | 128Mbit | 133MHz | 2.7V-3.6V | 76T1508 | --- |
| ● S25FL129P0XMF000 | SOIC-16 | 128Mbit | 104MHz | 2.7V-3.6V | 55R7079 | --- |
| ● S25FL128SAGMF011 | SOIC-16 | 128Mbit | 133MHz | 2.7V-3.6V | 08X5946 | --- |
| ● S25FL128SAGMF000 | SOIC-16 | 128Mbit | 133MHz | 2.7V-3.6V | 76T1515 | --- |
| ● S25FL128SAGMF003 | SOIC-16 | 128Mbit | 133MHz | 2.7V-3.6V | 45W4060 | 1.78 |
| ● S25FL128SAGMF101 | SOIC-16 | 128Mbit | 133MHz | 2.7V-3.6V | 76T1517 | 1.78 |
| ● S25FL128SAGMF011 | SOIC-16 | 128Mbit | 133MHz | 2.7V-3.6V | 76T1514 | 2.22 |
| ● S25FS128SAGMF100 | SOIC-8 | 128Mbit | 133MHz | 1.7V-2V | 20X1186 | --- |
| ● S25FS128SAGMF101 | SOIC-8 | 128Mbit | 133MHz | 1.7V-2V | 20X1187 | --- |
| ● S25FS128DSNFI101 | WSON-8 | 128Mbit | 80MHz | 1.7V-2V | 20X1189 | 2.47 |
| ● S25FS128SAGNF011 | WSON-8 | 128Mbit | 133MHz | 1.7V-2V | 20X1188 | 2.47 |
| ● S25FL128SAGNF000 | WSON-8 | 128Mbit | 133MHz | 2.7V-3.6V | 76T1519 | --- |

► CONTINUED ►

SERIAL NOR FLASH MEMORY DEVICES (CONT.)

| Mfg. Part No. | Packaging | Memory Size | Frequency | Supply Voltage | Stock No. | Price Each |
|-------------------------|-----------|-------------|-----------|----------------|----------------|------------|
| SPI, 1M x 8bit | | | | | | |
| ● S25FL208K0RPMFI010 | SOIC-8 | 8Mbit | 76MHz | 2.7V-3.6V | 45W4067 | --- |
| SPI, 2M x 8bit | | | | | | |
| ● S25FL116K0XMF0101 | SOIC-8 | 16Mbit | 65MHz | 2.7V-3.6V | 45W4073 | --- |
| SPI, 32M x 8bit | | | | | | |
| ● S25FL256SAGBHIC00 | BGA-24 | 256Mbit | 133MHz | 2.7V-3.6V | 96W2390 | 3.34 |
| ● S25FL256SAGBHID00 | BGA-24 | 256Mbit | 133MHz | 2.7V-3.6V | 96W2391 | --- |
| ● S25FS256SDSMFI001 | SOIC-16 | 256Mbit | 80MHz | 1.7V-2V | 20X1193 | 3.35 |
| ● S70FL256POXMF001 | SOIC-16 | 256Mbit | 104MHz | 2.7V-3.6V | 08X5977 | --- |
| ● S25FS256SAGMF000 | SOIC-16 | 256Mbit | 133MHz | 1.7V-2V | 20X1190 | 3.35 |
| ● S25FS256SAGMF001 | SOIC-16 | 256Mbit | 133MHz | 1.7V-2V | 20X1191 | 3.35 |
| ● S25FL256SAGMFIR01 | SOIC-16 | 256Mbit | 133MHz | 2.7V-3.6V | 96W2392 | --- |
| ● S25FL256SAGMF000 | SOIC-16 | 256Mbit | 133MHz | 2.7V-3.6V | 76T1527 | --- |
| ● S25FL256SAGMF000 | SOIC-16 | 256Mbit | 133MHz | 2.7V-3.6V | 89T3242 | --- |
| ● S25FS256SDSNFI001 | WSON-16 | 256Mbit | 80MHz | 1.7V-2V | 20X1194 | 3.35 |
| ● S25FS256SAGNF001 | WSON-16 | 256Mbit | 133MHz | 1.7V-2V | 20X1192 | 3.35 |
| ● S25FL256SAGNF000 | WSON-8 | 256Mbit | 133MHz | 2.7V-3.6V | 89T3243 | 2.23 |
| SPI, 4M x 8bit | | | | | | |
| ● S25FL032P0XMF0103 | SOIC-8 | 32Mbit | 104MHz | 2.7V-3.6V | 90R9322 | --- |
| ● S25FL132K0XMF011 | SOIC-8 | 32Mbit | 108MHz | 2.7V-3.6V | 18X3622 | --- |
| SPI, 512K x 8bit | | | | | | |
| ● S25FL204K0TMFI040 | SOIC-8 | 4Mbit | 85MHz | 2.7V-3.6V | 45W4064 | 0.25 |
| SPI, 64M x 8bit | | | | | | |
| ● S25FL512SAGBHIC10 | BGA-24 | 512Mbit | 133MHz | 2.7V-3.6V | 89T3248 | 8.15 |
| SPI, 8M x 8bit | | | | | | |
| ● S25FL064P0XMF003 | SOIC-16 | 64Mbit | 104MHz | 2.7V-3.6V | 55R7078 | --- |
| ● S25FL164K0XMF0101 | SOIC-16 | 64Mbit | 108MHz | 2.7V-3.6V | 08X5952 | --- |
| ● S25FL164K0XNF011 | WSON-8 | 64Mbit | 108MHz | 2.7V-3.6V | 08X5955 | --- |

PIM_211874

PARALLEL NOR FLASH MEMORY DEVICES



(CFI Support)

| C29JL model number: |
|--|
| ● 01 = Top Boot Device, 4 Banks: 4/12/12/4 Mb |
| ● 02 = Bottom Boot Device, 4 Banks: 4/12/12/4 Mb |
| ● 21 = Top Boot Device, 2 Banks: 4/28 Mb |
| ● 22 = Bottom Boot Device, 2 Banks: 4/28 Mb |
| ● 31 = Top Boot Device, 2 Banks: 8/24 Mb |
| ● 32 = Bottom Boot Device, 2 Banks: 8/24 Mb |
| ● 41 = Top Boot Device, 2 Banks: 16/16 Mb |
| ● 42 = Bottom Boot Device, 2 Banks: 16/16 Mb |
| C29PL model number: |
| ● 00 = 3.0V VIO, 80-ball 11 x 8 mm FBGA (VBG080) |
| ● 01 = 1.8V VIO, 80-ball 11 x 8 mm FBGA (VBG080) |
| ● 02 = 3.0V VIO, 64-ball 8 x 11.6 mm FBGA (VBH064) |
| ● 12 = 3.0V VIO, 48-ball 8 x 6 mm FBGA (VBK048) |
| ● 13 = 3.0V VIO, 56-pin 20 x 14 mm TSOUP (TS056) |
| ● 15 = 3.0V VIO, 56-ball 7 x 9 mm FBGA (VBU056) |

| Mfg. Part No. | Packaging | Memory Size | Supply Voltage | Stock No. | Price Each |
|--|-----------|-------------|----------------|----------------|------------|
| CFI, Parallel, 1M x 8bit / 512K x 16bit | | | | | |
| ● S29AL008J70BF020 | BGA-48 | 8Mbit | 2.7V-3.6V | 43P9762 | --- |
| ● S29AL008J70TF010 | TSOP-48 | 8Mbit | 2.7V-3.6V | 43P9763 | --- |
| ● S29AL008J70TF020 | TSOP-48 | 8Mbit | 2.7V-3.6V | 43P9764 | 0.89 |
| CFI, Parallel, 2M x 16bit | | | | | |
| ● S29PL032J70BA120 | BGA-48 | 32Mbit | 2.7V-3.6V | 42K8639 | --- |
| ● S29PL032J70BF120 | BGA-48 | 32Mbit | 2.7V-3.6V | 44J2245 | 2.94 |
| CFI, Parallel, 2M x 8bit / 1M x 16bit | | | | | |
| ● S29AL016J70BF010 | BGA-48 | 16Mbit | 2.7V-3.6V | 12P0103 | --- |
| ● S29AL016J70TF010 | TSOP-48 | 16Mbit | 2.7V-3.6V | 43P9766 | 1.61 |
| ● S29AL016J70TF020 | TSOP-48 | 16Mbit | 2.7V-3.6V | 43P9767 | 2.17 |
| CFI, Parallel, 4M x 16bit | | | | | |
| ● S29PL064J70BF120 | BGA-48 | 64Mbit | 2.7V-3.6V | 44J2247 | --- |
| ● S29PL064J70BA120 | BGA-48 | 64Mbit | 2.7V-3.6V | 64J8411 | --- |
| CFI, Parallel, 4M x 8bit / 2M x 16bit | | | | | |
| ● S29JL032J70TF1320 | TSOP-48 | 32Mbit | 2.7V-3.6V | 90R9336 | --- |
| ● S29JL032J70TF020 | TSOP-48 | 32Mbit | 2.7V-3.6V | 90R9332 | 1.84 |

► CONTINUED ►

PARALLEL NOR FLASH MEMORY DEVICES (CONT.)

| Mfg. Part No. | Packaging | Memory Size | Supply Voltage | Stock No. | Price Each 1-9+ |
|--|-----------|-------------|----------------|-----------|--------------------|
| CFI, Parallel, 4M x 8bit / 2M x 16bit | | | | | |
| ● S29JL032J70TFI310 | TSOP-48 | 32Mbit | 2.7V-3.6V | 90R9335 | --- |
| ● S29JL032J70TFI420 | TSOP-48 | 32Mbit | 2.7V-3.6V | 90R9338 | --- |
| CFI, Parallel, 8M x 8bit / 4M x 16bit | | | | | |
| ● S29JL064J70TFI000 | TSOP-48 | 64Mbit | 2.7V-3.6V | 90R9341 | --- |
| ● S29JL064J55TFI000 | TSOP-48 | 64Mbit | 2.7V-3.6V | 90R9339 | --- |
| Parallel, 1M x 8bit | | | | | |
| ● S29AL008J70BFI010 | FPBGA-48 | 8Mbit | 2.7V-3.6V | 43P9761 | --- |
| ● S29AL008J55TFIR10 | TSOP-48 | 8Mbit | 2.7V-3.6V | 43P9760 | --- |
| Parallel, 2M x 8bit | | | | | |
| ● S29AL016J55TFIR10 | TSOP-48 | 16Mbit | 2.7V-3.6V | 55R7084 | 1.97 |
| Parallel, 4M x 8bit | | | | | |
| ● S29JL032J70TFI010 | TSOP-48 | 32Mbit | 2.7V-3.6V | 90R9331 | 3.47 |
| ● S29JL032J70TFI210 | TSOP-48 | 32Mbit | 2.7V-3.6V | 90R9333 | --- |
| Parallel, 8M x 16bit | | | | | |
| ● S29PL127J70BAI000 | FPBGA-80 | 128Mbit | 2.7V-3.6V | 70K5152 | --- |
| Parallel, 8M x 8bit | | | | | |
| ● S29JL064J70TFI003 | TSOP-48 | 64Mbit | 2.7V-3.6V | 84W9353 | --- |

PIM_211875

PARALLEL NAND FLASH MEMORY DEVICES



FEATURES

- 100,000 Program / Erase cycles
- 10 Year Data retention
- Open NAND Flash Interface (ONFI) 1.0 compliant
- Densities: 1Gb to 16Gb
- Voltages: 3 V and 1.8 V options
- industrial temp range (-40°C to 85°C)
- Industrial plus temp range (-40°C to 105°C)

NAND products add reliable, high density data storage to the flash product line. NAND product portfolio includes two standard product families supporting 1bit and 4 bit ECC options. They are available in 1Gb to 16Gb densities.

MPN is formed by a valid combination of the following:

| | |
|-------------------|--|
| Device Family | S34MS: 1.8V Cypress SLC NAND Flash Memory for Embedded S34ML: Cypress SLC NAND Flash Memory for Embedded |
| Density | 01G = 1 Gb 02G = 2 Gb 04G = 4 Gb |
| Technology | 2 = Cypress NAND Revision 2 (32 nm) |
| Bus Width | 00 = x8 NAND, single die 04 = x16 NAND, single die |
| Package | B = 63-Ball BGA G = 67-Ball BGA T = TSOP |
| Materials Se | F = Lead (Pb)-free H = Lead (Pb)-free and Low Halogen |
| Temperature Range | I = Industrial (-40°C to +85°C) A = Industrial with AECQ-100 and GT Grade (-40°C to +85°C) V = Industrial Plus (-40°C to +105°C) B = Industrial Plus with AECQ-100 and GT Grade (-40°C to +105°C) |
| Model Number | 00 = Standard Interface / ONFI (x8) 00 = Standard Interface (x16) 01 = ONFI (x16) |
| Packing Type | 0 = Tray 3 = 13" Tape and Reel |

| Mfg. Part No. | Packaging | Memory Size | Supply Voltage | Stock No. | Price Each 1-9+ |
|------------------------------|-----------|-------------|----------------|-----------|--------------------|
| Parallel, 128M x 8bit | | | | | |
| ● S34MS01G104BHI010 | BGA-63 | 1Gbit | 1.7V-1.95V | 84W9362 | --- |
| ● S34ML01G100BHI000 | BGA-63 | 1Gbit | 2.7V-3.6V | 45W4082 | --- |
| Parallel, 256M x 8bit | | | | | |
| ● S34ML02G100BHI000 | TSOP-48 | 2048Mbit | 2.7V-3.6V | 84W9360 | 5.70 |
| Parallel, 1G x 8bit | | | | | |
| ● S34ML08G101BHI000 | BGA-63 | 8Gbit | 2.7V-3.6V | 55W7288 | --- |
| ● S34ML08G101TFI200 | TSOP-48 | 8Gbit | 2.7V-3.6V | 84W9360 | --- |
| Parallel, 32M x 8bit | | | | | |
| ● S34ML02G100TFI000 | TSOP-48 | 2048Mbit | 2.7V-3.6V | 05W4749 | --- |
| Parallel, 32M x 16bit | | | | | |
| ● S34MS04G204BHI010 | BGA-63 | 4Gbit | 1.7V-1.95V | 08X5968 | --- |
| ● S34MS04G204TFI010 | TSOP-48 | 4Gbit | 1.7V-1.95V | 08X5970 | --- |

PARALLEL NAND FLASH MEMORY DEVICES (CONT.)

| Mfg. Part No. | Packaging | Memory Size | Supply Voltage | Stock No. | Price Each 1-9+ |
|------------------------------|-----------|-------------|----------------|-----------|--------------------|
| Parallel, 512M x 8bit | | | | | |
| ● S34ML04G100BHI000 | BGA-63 | 4Gbit | 2.7V-3.6V | 45W4084 | --- |
| ● S34ML04G200BHI000 | BGA-63 | 4Gbit | 2.7V-3.6V | 84W9357 | 5.98 |
| ● S34ML04G100TFI000 | TSOP-48 | 4096Mbit | 2.7V-3.6V | 05W4751 | --- |
| Parallel, 64M x 16bit | | | | | |
| ● S34MS02G104BHI010 | BGA-63 | 2Gbit | 1.7V-1.95V | 84W9363 | --- |
| Parallel, 64M x 8bit | | | | | |
| ● S34MS04G100BHI000 | BGA-63 | 4Gbit | 1.7V-1.95V | 08X5965 | --- |
| ● S34MS04G200BHI000 | BGA-63 | 4Gbit | 1.7V-1.95V | 08X5967 | --- |

PIM_211876

NON-VOLATILE MEMORY



Zero Power RAMs (ZPRs) are electronic memory elements to buffer machine data. They are used in older winder controls in order to store offset values, initializing data and operating data.

ZEROPOWER® NVRAMs combine Low Power SRAMs and Automatic Battery Switchover and Write Protect circuits to implement Non-Volatile RAMs. They can be used just like standard SRAMs, but retain their contents when power is removed.

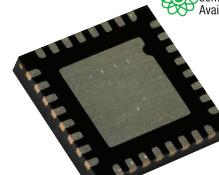
TIMEKEEPER NVRAMs are like ZEROPOWER® NVRAMs, but also include Non-Volatile Real-Time Clocks, Automatic Battery Switchover and Write Protect circuits supply continuous power to the Low-Power SRAM and RTC to keep time and retain the memory when power is removed. The M48Z02/12 ZEROPOWER®RAM is a 2 K x 8 non-volatile static RAM which is pin and function compatible with the DS1220. A special 24-pin, 600 mil DIP CAPHAT™ package houses the M48Z02/12 silicon with a long-life lithium button cell to form a highly integrated battery-backed memory solution. The M48Z02/12 button cell has sufficient capacity and storage life to maintain data functionality for an accumulated time period of at least 10years in the absence of power over commercial operating temperature range.

The M48Z08/18 ZEROPOWER®RAM is an 8 K x 8 non-volatile static RAM which is pin and function compatible with the DS1225. The monolithic chip provides a highly integrated battery-backed memory solution. The M48Z08/18 is a non-volatile pin and function equivalent to any JEDEC standard 8 K x 8 SRAM. It also easily fits into many ROM, EPROM, and EEPROM sockets, providing the non-volatility of PROMs without any requirement for special write timing or limitations on the number of writes that can be performed.

| Mfg. Part No. | Packaging | Memory Size | Access Time | Supply Voltage | Stock No. | Price Each 1-9+ |
|-----------------------------|-----------|-------------|-------------|----------------|-----------|--------------------|
| Parallel, 2K x 8bit | | | | | | |
| ● M48Z02-70PC1 | DIP-24 | 16Kbit | 70ns | 4.75V-5.5V | 89K1473 | --- |
| ● M48Z12-150PC1 | DIP-24 | 16Kbit | 150ns | 4.5V-5.5V | 89K1475 | --- |
| ● M48Z02-150PC1 | DIP-24 | 16Kbit | 150ns | 4.75V-5.5V | 89K0828 | --- |
| Parallel, 32K x 8bit | | | | | | |
| ● M48Z35Y-70PC1 | DIP-28 | 256Kbit | 70ns | 4.5V-5.5V | 89K1480 | 15.51 |
| Parallel, 8K x 8bit | | | | | | |
| ● M48Z18-100PC1 | DIP-28 | 64Kbit | 100ns | 4.5V-5.5V | 89K1478 | --- |
| ● M48Z08-100PC1 | DIP-28 | 64Kbit | 100ns | 4.75V-5.5V | 89K1474 | --- |

PIM_83729

ZIGBEE TRANSCEIVERS



Features:

- High Performance RF CMOS 2.4 GHz Radio Transceiver Targeted for IEEE 802.15.4™, ZigBee®, 6LoWPAN, RF4CE, SP100, WirelessHART™ and ISM Applications
- Industry Leading Link Budget (104 dB)
- Ultra-Low Current Consumption
- Easy to Use Interface
- Special IEEE 802.15.4-2006 Hardware Support
- Industrial and Extend
- ed Temperature Range
- Compliant to IEEE 802.15.4-2006 and IEEE 802.15.4-2003
- Compliant to EN 300 328/440, FCC-CFR-47 Part 15, ARIB STD-T66, RSS-210

Low Power 2.4 GHz Transceivers for ZigBee IEEE 802.15.4, 6LoWPAN, RF4CE, SP100, WirelessHART and ISM Applications

Suffix ZU - Temperature Range Industrial (-40° C to +85° C) Lead-free/Halogen-free

Suffix ZF - Temperature Range Industrial (-40° C to +125° C) Lead-free/Halogen-free

Package Type - 32QN2, 32 lead 5.0x5.0 mm Body, 0.50 mm Pitch, Quad Flat No-lead Package (QFN) Sawn

| Mfg. Part No. | Supply Voltage | Data Rate | Sensitivity | RF / IF Modulation | Stock No. | Price Each 1-9+ |
|---|----------------|-----------|-------------|--------------------|-----------|--------------------|
| QFN-32 Pins, 2.405 GHz to 2.48 GHz | | | | | | |
| ● AT86RF231-ZF | 1.8 V to 3.6 V | 2Mbps | -101dBm | O-QPSK | 68T4734 | --- |
| ● AT86RF231-ZFR | 1.8 V to 3.6 V | 2Mbps | -101dBm | O-QPSK | 68T4735 | --- |
| ● AT86RF231-ZU | 1.8 V to 3.6 V | 2Mbps | -101dBm | O-QPSK | 68T4736 | --- |
| ● AT86RF231-ZUR | 1.8 V to 3.6 V | 2Mbps | -101dBm | O-QPSK | 72T3087 | --- |
| QFN-32 Pins, 2.48 GHz to 2.405 GHz | | | | | | |
| ● AT86RF232-ZX | 1.8 V to 3.6 V | 250Kbps | -100dBm | O-QPSK | 92T0949 | --- |

PIM_197999

► CONTINUED ►

RFICS

1

ZigBee™ TECHNOLOGY PRODUCTS

TRANSCEIVERS

- Supply Voltage: 2.0 to 3.4V
- Supply Current @ 1% Duty Cycle: 1mA
- Standby Current: 500 µA
- Frequency: 2.4 to 2.5GHz
- Control Interface: SPI
- Data Rate: 250kbps
- Package: 32-QFN



SYSTEM IN A PACKAGE

- Supply Voltage: 2.0 to 3.4V
- Supply Current @ 1% Duty Cycle, CPU @ 20MHz: 31.1mA TX, 38.1mA RX
- Standby Current: 0.2 to 0.675mA
- Frequency: 2.4 to 2.5GHz
- Sensitivity @ 1% PER: -92 dBm
- Data Rate: 250kbps
- TX/RX Switch: Yes
- Core: HCS08
- Interfaces and Peripherals: I2C, SCI (2), Timer/Pwm(2), KBL, 8-Ch., 10-bit ADC, Up to 32 GPIO
- Package: 71-LGA

NXP Semiconductor draws on extensive radio frequency (RF) and wireless experience accumulated from more than 50 years of developing semiconductor products. To help you determine the best fit of transceiver and MCU, the product summary offers a matrix of ZigBee™ technology transceivers which may be paired with the NXP 8-bit or 32-bit MCUs for system solutions.

MC13212 - 2KB RAM, 32KB Flash (Intended for 802.15.4 Standard compliant applications and the Freescale 802.15.4 MAC)

MC13213 - 4KB RAM, 60KB Flash (Intended for 802.15.4 Standard compliant applications and the Freescale 802.15.4 MAC and fully ZigBee compliant Freescale BeeStack)

| Mfg. Part No. | Supply Voltage | Data Rate | Sensitivity | RF / IF Modulation | Stock No. | Price Each |
|---------------|----------------|-----------|-------------|--------------------|-----------|------------|
| | | | | | | 1.9+ |

LGA-71 Pins, 2.405 GHz to 2.48 GHz

| | | | | | | |
|-----------|--------------|---------|--------|--------|---------|-----|
| ● MC13212 | 2 V to 3.4 V | 250Kbps | -92dBm | O-QPSK | 81K2749 | --- |
| ● MC13213 | 2 V to 3.4 V | 250Kbps | -92dBm | O-QPSK | 81K2751 | --- |

QFN-32 Pins, 2.405 GHz to 2.48 GHz

| | | | | | | |
|-------------|--------------|---------|--------|--------|---------|-----|
| ● MC13202FC | 2 V to 3.4 V | 250Kbps | -92dBm | O-QPSK | 81K2743 | --- |
|-------------|--------------|---------|--------|--------|---------|-----|

Accessories

| Mfg. Part No. | For Use With | Stock No. | Price Each |
|----------------|-----------------------------------|-----------|------------|
| | | | |
| ● 1323XDSK | ... | 47T9853 | 211.44 |
| ● 1323XDSK-BDM | ... | 47T9854 | 296.44 |
| ● 1320XRFC | MCU HCS08, S12, Coldfire families | 81K5785 | 8.89 |

PIM_89417

SRAM MEMORY

Features:

- High reliability: Soft-Error Rate < 0.1FIT/Mbit
- ERR pin to indicate single-bit errors
- Options: 4-Mbit, 8-Mbit, 16-Mbit
- Fast access time: 10ns (FAST)
- Ultra-low standby current: 8.7µA (4-Mbit MoBL®)
- Bus-width configurations: x8, x16 and x32
- Wide operating voltage range: 1.8-5.0V
- Industrial and Automotive temperature grades



Asynchronous SRAM

With the performance to serve a wide variety of high reliability industrial, communication, data processing, medical, consumer and military applications, Fast and Micropower (MoBL®) SRAM devices are available with on-chip ECC. These devices are form-fit-function compatible with older generation Asynchronous SRAMs. This allows you to improve system reliability without investing in PCB re-design.

Ordering Code Definitions

| | | |
|--------------------|---|--|
| Company ID | CY = Cypress | CY = Cypress |
| Family Code | 7 = SRAM | 621 = MoBL SRAM family |
| Technology Code | C = CMOS | Density: 5 = 8-Mbit |
| Part Identifier | 1021, 4121, 4141 | Buswidth: 7 = x16 |
| Die Revision | K=65nm, D=90nm | D=90nm |
| Voltage Vdd | V13=1.3V, V33=3.3V | Voltage with "L" = Low Power |
| Speed Grade | 667 = 667 MHz; 600 = 600 MHz; 10 = 10ns | XX = 45ns, 55ns |
| Package Type | FC = 361-ball Flip Chip BGA XX = ZS or BV ZS = 44-pin TSOP II BV = 48-ball VFBGA | XX = BV or ZS or Z BV = 48-ball VFBGA ZS = 44-pin TSOP II Z = 48-pin TSOP I |
| Pb | X = Pb Free | X = Pb Free |
| Temperature Range: | I = Industrial C = Commercial | I = Industrial A = Automotive-A E = Automotive-E |

| Mfg. Part No. | Case Style | No. of Pins | Memory Size | Access Time | Stock No. | Price Each |
|----------------------|------------|-------------|-------------|-------------|-----------|------------|
| | | | | | | 1.9+ |
| ● CY7C1011DV33-10ZSX | TSOP | 44 Pins | 2 Mbit | 10 ns | 19M2842 | 4.41 |
| ● CY7C1338G-100AXC | TQFP | 100 Pins | 4 Mbit | 8 ns | 19M3269 | 5.83 |
| ● CY7C1347G-133AXC | TQFP | 100 Pins | 4 Mbit | 4 ns | 19M3296 | --- |
| ● CY7C1011DV33-10ZSX | SOJ | 32 Pins | 1 Mbit | 10 ns | 19M2831 | 3.08 |
| ● CY7C1018DV33-10VXI | SOJ | 32 Pins | 1 Mbit | 10 ns | 19M2850 | --- |
| ● CY7C1019D-10VXI | SOJ | 32 Pins | 1 Mbit | 10 ns | 19M2879 | 4.00 |
| ● CY7C1019DV33-10VXI | SOJ | 32 Pins | 1 Mbit | 10 ns | 19M2882 | 4.20 |
| ● CY7C1019DV33-10ZSX | TSOP-II | 32 Pins | 1 Mbit | 10 ns | 19M2883 | --- |

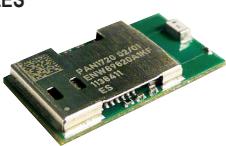
► CONTINUED ►

SRAM MEMORY (CONT.)

| Mfg. Part No. | Case Style | No. of Pins | Memory Size | Access Time | Stock No. | Price Each |
|---|---------------------|-------------|--------------|-------------|-----------|------------|
| 128K x 8bit | | | | | | |
| ● CY7C109D-10VXI | SOJ | 32 Pins | 1 Mbit | 10 ns | 19M3184 | 3.08 |
| ● CY7C109D-10ZXI | TSOP | 32 Pins | 1 Mbit | 10 ns | 19M3185 | 2.27 |
| ● CY62128ELL-45SXI | SOIC | 32 Pins | 1 Mbit | 45 ns | 19M2395 | 3.08 |
| ● CY62128EV30LL-45SXI | SOIC | 32 Pins | 1 Mbit | 45 ns | 19M2401 | 3.42 |
| ● CY62128EV30LL-45ZXI | TSOP | 32 Pins | 1 Mbit | 45 ns | 19M2403 | 1.94 |
| ● CY62128EV30LL-45ZXI | TSOP | 32 Pins | 1 Mbit | 45 ns | 19M2405 | --- |
| 256K x 18bit | | | | | | |
| ● CY7C1352G-133AXC | TQFP | 100 Pins | 4 Mbit | 4 ns | 19M3334 | 5.76 |
| 2M x 36bit | | | | | | |
| ● CY7C0401KV13-667FCXC | FBGA | 361 Pins | 72 Mbit | 20 ns | 49X8420 | --- |
| 2M x 8bit + 16bit | | | | | | |
| ● CY62167DV30LL-55BVI | BGA | 48 Pins | 16 Mbit | 55 ns | 19M2508 | --- |
| ● CY62167EV30LL-45ZXI | TSOP-I | 48 Pins | 16 Mbit | 45 ns | 41M1334 | 15.71 |
| 32K x 16bit | | | | | | |
| ● CY7C1020DV33-10ZSX | TSOP | 44 Pins | 512 Kbit | 10 ns | 19M2910 | 4.35 |
| 32K x 8bit | | | | | | |
| ● CY7C1399BN-12ZXC | TSSOP | 28 Pins | 256 Kbit | 12 ns | 19M3555 | --- |
| ● CY62256NLL-70SNXC | SOIC | 28 Pins | 256 Kbit | 70 ns | 19M2557 | --- |
| 4M x 18bit | | | | | | |
| ● CY7C4021KV13-667FCXC | FBGA | 361 Pins | 72 Mbit | 50 ns | 49X8419 | --- |
| 4M x 36bit | | | | | | |
| ● CY7C4141KV13-667FCXC | FBGA | 361 Pins | 144 Mbit | 50 ns | 49X8425 | --- |
| ● CY7C4141KV13-667FCXC | FBGA | 361 Pins | 144 Mbit | 50 ns | 49X8426 | --- |
| 512K x 16bit | | | | | | |
| ● CY62157ELL-45ZSX | TSOP | 44 Pins | 8 Mbit | 45 ns | 19M2488 | 11.33 |
| ● CY62157EV30LL-45BVXI | BGA | 48 Pins | 8 Mbit | 45 ns | 19M2494 | 9.98 |
| ● CY62157EV30LL-45ZSX | TSOP | 44 Pins | 8 Mbit | 45 ns | 19M2496 | 6.93 |
| ● CY62157EV30LL-45ZXI | TSOP | 48 Pins | 8 Mbit | 45 ns | 19M2498 | --- |
| 64K x 16bit | | | | | | |
| ● CY7C1021D-10ZSX | TSOP-II | 44 Pins | 1 Mbit | 10 ns | 19M3028 | 3.08 |
| ● CY7C1021DV33-10VXI | SOJ | 44 Pins | 1 Mbit | 10 ns | 19M3030 | --- |
| ● CY7C1021DV33-10ZSX | TSOP | 44 Pins | 1 Mbit | 10 ns | 19M3031 | --- |
| ● CY7C1021DV33-10ZSX | TSOP | 44 Pins | 1 Mbit | 10 ns | 41M1365 | --- |
| ● CY62126EV30LL-45ZSX | TSOP | 44 Pins | 1 Mbit | 45 ns | 19M2365 | --- |
| 8M x 18bit | | | | | | |
| ● CY7C4121KV13-600FCXC | FBGA | 361 Pins | 144 Mbit | 50 ns | 49X8421 | --- |
| ● CY7C4121KV13-667FCXC | FBGA | 361 Pins | 144 Mbit | 50 ns | 49X8422 | --- |
| ● CY7C4122KV13-106FCXC | FBGA | 361 Pins | 144 Mbit | 50 ns | 49X8423 | --- |
| ● CY7C4122KV13-933FCXC | FBGA | 361 Pins | 144 Mbit | 50 ns | 49X8424 | --- |
| ● CY7C4142KV13-106FCXC | FBGA | 361 Pins | 144 Mbit | 50 ns | 49X8427 | --- |
| ● CY7C4142KV13-933FCXC | FBGA | 361 Pins | 144 Mbit | 50 ns | 49X8428 | --- |
| BLUETOOTH MODULES | | | | | | |
| | | | | | | |
| Features | | | | | | |
| <ul style="list-style-type: none"> Fully qualified Class 1 (RN41), Class 2 (RN42), Bluetooth® 2.1 + EDR module Bluetooth® SIG qualified UART (SPP or HCI) and USB (HCI only) data connection hardware interfaces Onboard embedded Bluetooth® stack (no host processor required) Supports Bluetooth® data link to iPhone/iPad/ iPod Touch | | | | | | |
| RN Modules are stand-alone, small form factor and extremely low power complete Bluetooth networking modules used to add Bluetooth capabilities to any embedded design. Smart modules are field ready evaluation boards populated with the RN module of your choice. | | | | | | |
| Mfg. Part No. | Receive Sensitivity | Data Rate | Signal Range | Stock No. | 1-24+ | |
| Bluetooth 2.1 + EDR - Class 1 | | | | | | |
| ● RN41-IRM | -80dBm | 921Kbps | 100m | 06W3299 | 22.22 | |
| Bluetooth 2.1 + EDR - Class 2 | | | | | | |
| ● RN41-SM | -80dBm | 3Mbps | 100m | 27W2084 | --- | |
| Bluetooth 2.1 + EDR - Class 2 | | | | | | |
| ● RN42-IRM | -80dBm | 921Kbps | 20m | 06W3305 | 15.64 | |

PIM_207781

BLUETOOTH RF MODULES

**Panasonic**RoHS
Compliant
Available

PAN1720

Features:

- Frequency: 2.4 GHz
- Encryption: Available
- Network Size: 8 Nodes
- Battery Life: Days
- Speed: Up to 3 MBit/s (air, gross)
- Applications:
 - 2.4GHz Bluetooth low energy systems

Bluetooth modules are based on IEEE 802.15.1 and was developed for the purpose of sending larger amounts of data quickly from computers to PDAs to cell phones or other portable handheld devices. Key features include high data rate, frequency hopping, very small form factor and modest power consumption.

| Mfg. Part No. | Receive Sensitivity | Data Rate | Stock No. | Tape Cut 1-9+ |
|---|---------------------|-----------|-----------|------------------|
| Bluetooth 2.0 + EDR - Class 2 | | | | |
| ● ENW-89815A3KF | -86dBm | 3Mbps | 58T4669 | --- |
| Bluetooth 4.0 - Class 1, Class 2 | | | | |
| ● ENW-89829A2KF | -93dBm | 3Mbps | 49W8295 | --- |
| ● ENW-89823A2KF | -93dBm | 3Mbps | 49W8292 | --- |
| ● ENW-89823C2KF | -93dBm | 3Mbps | 49W8293 | --- |
| ● ENW-89829C2KF | -93dBm | 3Mbps | 49W8296 | --- |
| ● ENW-89842A2KF | -93dBm | 3Mbps | 64W2477 | --- |
| Bluetooth 4.0 - Class 2 | | | | |
| ● ENW-89837A3KF | -88dBm | 3Mbps | 64W2471 | 3.33 |
| ● ENW-89846A1KF | -93dBm | 10Kbps | 51X2287 | 7.34 |
| ● ENW-89835A1KF | -93dBm | 3Mbps | 49W8298 | --- |
| ● ENW-89835A3KF | -93dBm | 3Mbps | 64W2469 | --- |
| ● ENW-89820A1KF | -96dBm | 3Mbps | 49W8291 | --- |
| ● ENW-89820A3KF | -96dBm | 3Mbps | 43W5821 | --- |

PIM_208934

BLUETOOTH / SERIAL ADAPTERS

MICROCHIP

These adapters and dongles offer users a quick solution to add Bluetooth to a device with RS-232 or USB connectivity. Smaller than a business card, easily attaches to RS232 or 422 serial ports via DB9 male or female connector. Often no software configuration is needed, just plug it on and start connecting.

Three connection modes are available:

Slave Mode - Bluetooth clients, such as Palm/Pocket PC PDAs, laptops, scanners, cellphones directly connect via Bluetooth Serial Port Profile, creating a Virtual COM port on the client.

Instant Cable - matched pair of modules link to each other for a wireless cable replacement.

Master Modes - Modules can automatically (or manually via software control codes) discover and connect to other Bluetooth SPP devices in master mode. Can also trigger on incoming data and auto disconnect when data transfer is complete to minimize power.

Suffix "M" - male connector; Suffix "F" - female connector

| Mfg. Part No. | Data Rate | Signal Range | Stock No. | Price Each 1-9+ |
|--------------------------------------|-----------|--------------|-----------|--------------------|
| Bluetooth 2.1 + EDR - Class 1 | | | | |
| ● RN-240F | 464Kbps | 100m | 06W3270 | 61.15 |
| ● RN-240M | 464Kbps | 100m | 06W3271 | --- |

PIM_207783

Frequency/Voltage

The LM2907 and LM2917 devices are monolithic frequency-to-voltage converters with a high gain op amp designed to operate a relay, lamp, or other load when the input frequency reaches or exceeds a selected rate. The tachometer uses a charge pump technique and offers frequency doubling for lowripple, full-input protection in two versions (8-pin LM2907 and LM2917), and its output swings to ground for a zero frequency input.

| Mfg. Part No. | Frequency | Case Style | Supply Voltage | Linearity | Stock No. | Price Each 1-9+ |
|--------------------------|-----------|------------|----------------|-----------|-----------|--------------------|
| Frequency/Voltage | | | | | | |
| ● LM2907N-8/NOPB | 10kHz | DIP-8 | 28V | 0.3% | 41K4462 | --- |
| ● LM2907M-8/NOPB | 10kHz | SOIC-8 | 28V | 0.3% | 41K4458 | 1.65 |
| ● LM2907N/NOPB | 5kHz | DIP-14 | 28V | 0.3% | 41K4463 | 1.58 |
| ● LM2917N/NOPB | 5kHz | DIP-14 | 28V | 0.3% | 41K4469 | --- |
| ● LM2917N-8/NOPB | 5kHz | DIP-8 | ±28V | 1% | 41K4468 | --- |
| ● LM2917M/NOPB | 5kHz | SOIC-14 | 28V | 0.3% | 41K4465 | --- |
| ● LM2917M-8/NOPB | 5kHz | SOIC-8 | ±28V | 0.3% | 41K4464 | 0.33 |

PIM_5518611

LOGIC BUFFERS AND TRANSCEIVERS

RoHS
Compliant
Available**TEXAS INSTRUMENTS**

Authorized Distributor

Buffers and line drivers are designed specifically to improve both the performance and density of 3-state memory address drivers, clock drivers, and bus-oriented receivers and transmitters.

► CONTINUED ►

LOGIC BUFFERS AND TRANSCEIVERS (CONT.)

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|--------------------|------------|----------------|-----------|------------------|
| Buffer | | | | |
| ● SN74LVC1G125DRLR | SOT-553-5 | 1.65 V-5.5 V | 01X3093 | 0.41 |
| ● SN74LVTH125PW | TSSOP-14 | 2.7 V-3.6 V | 98K0496 | --- |

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|-----------------------|------------|----------------|-----------|------------------|
| Buffer, Driver | | | | |
| ● SN74LVC06APWR | TSSOP-14 | 1.65 V-3.6 V | 33X1412 | --- |

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|--------------------------------|------------|----------------|-----------|------------------|
| Buffer, Schmitt Trigger | | | | |
| ● SN74AUP1G17DBVR | SOT-23-5 | 800 mV-3.6 V | 33X1388 | --- |

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|------------------------|------------|----------------|-----------|------------------|
| Buffer / Driver | | | | |
| ● SN74AUP1G07DCKR | SC-70-5 | 800 mV-3.6 V | 33X1384 | 0.03 |

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|-----------------------------|------------|----------------|-----------|------------------|
| Buffer / Line Driver | | | | |
| ● SN74HC365N | DIP-16 | 2 V-6 V | 50R6465 | --- |

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|---------------|------------|----------------|-----------|------------------|
| Buffer | | | | |
| ● SN74AC244N | DIP-20 | 2 V-6 V | 50R5842 | 0.11 |

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|--------------------|------------|----------------|-----------|------------------|
| Buffer | | | | |
| ● SN74LVC1G240DCKR | SC-70-5 | 1.65 V-5.5 V | 33X1420 | 0.36 |

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|---------------|------------|----------------|-----------|------------------|
| Buffer | | | | |
| ● SN74HC241DW | SOIC-20 | 2 V-6 V | 98K0378 | --- |

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|------------------|------------|----------------|-----------|------------------|
| Buffer | | | | |
| ● SN74LVC244ADBR | SSOP-20 | 1.65 V-3.6 V | 13M5302 | 0.04 |

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|----------------|------------|----------------|-----------|------------------|
| Buffer | | | | |
| ● SN74HC125PWR | TSSOP-14 | 2 V-6 V | 33X1402 | --- |

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|-----------------|------------|----------------|-----------|------------------|
| Buffer | | | | |
| ● SN74ABT125PWR | TSSOP-14 | 4.5 V-5.5 V | 50R5697 | 0.88 |

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|----------------|------------|----------------|-----------|------------------|
| Buffer | | | | |
| ● SN74AC244PWR | TSSOP-20 | 2 V-6 V | 01X3048 | 0.26 |

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|-----------------|------------|----------------|-----------|------------------|
| Buffer | | | | |
| ● SN74ABT541PWR | TSSOP-20 | 4.5 V-5.5 V | 01X3041 | --- |

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|--------------------|------------|----------------|-----------|------------------|
| Transceiver | | | | |
| ● SN74LV245ADW | SOIC-20 | 2 V-5.5 V | 50R6728 | --- |

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|-----------------------------------|------------|----------------|-----------|------------------|
| Transceiver, Non Inverting | | | | |
| ● 74ACT16245DGGR | TSSOP-48 | 4.5 V-5.5 V | 01X3182 | --- |

PIM_5575909

OCTAL BUS TRANSCEIVER

RoHS
Compliant
AvailableTexas Instruments
Authorized Distributor

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Price Each 1-9+ |
|--------------------|------------|----------------|-----------|--------------------|
| Transceiver | | | | |
| ● SN74ACT245DW | SOIC-20 | 4.5 V-5.5 V | 98K0224 | 1.25 |

PIM_5575917

DECODERS / ENCODERS

RoHS
Compliant
AvailableTexas Instruments
Authorized Distributor

SN74LS47D feature active-low outputs designed for driving, common-anode LEDs or incandescent indicators directly.

CD74HC4511M have standard-size output transistors, but are capable of sourcing (at standard VOH levels) up to 7.5 mA at 4.5 V.

CD4511BNSR combine the low quiescent power dissipation and high noise immunity features of RCA CMOS with n-p-n bipolar output transistors capable of sourcing up to 25 mA.

CD4028BM96 are BCD-to-decimal or binary-to-octal decoders consisting of buffering on all 4 inputs, decoding logic gates, and 10 output buffers. High drive capability is provided at all outputs to enhance dc and dynamic performance in high fan-out applications.

CD74HC137E are high speed silicon gate CMOS decoders well suited to memory address decoding or data routing applications. Both circuits feature low power consumption usually associated with CMOS circuitry, yet have speeds comparable to low power Schottky TTL logic.

SN74HC139 is designed for high-performance memory-decoding or data-routing applications requiring very short propagation delay times. In high-performance memory systems, this decoder can minimize the effects of system decoding.

| Mfg. Part No. | Case Style | Outputs | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|--|------------|---------|----------------|-----------|------------------|
| BCD to 7 Segment Decoder / Driver | | | | | |
| ● SN74LS47D | SOIC-16 | 7 | 4.75 V-5.25 V | 50R6572 | --- |

| Mfg. Part No. | Case Style | Outputs | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|---------------|------------|---------|----------------|-----------|------------------|
| | | | | | |

1 AMPLIFIERS

ANALOG DEVICES - OPERATIONAL AMPLIFIER SELECTION



AHEAD OF WHAT'S POSSIBLE™

Analog Devices portfolio of high speed, rail to rail and precision op amps provides a broad choice of products delivering exceptional performance.

| Mfg. Part No. | Description | Stock No. | Price Each 1-9+ |
|--|---|-----------|--------------------|
| AD712 Precision High Speed Series | | | |
| AD712AQ | Dual 4 MHz 2 AMP 20 V/us DIP 8 Pins | 05F7274 | --- |
| AD712JNZ | Dual 4 MHz 2 AMP 20 V/us DIP 8 Pins | 59K4554 | --- |
| AD822 Low Power, Rail to Rail Series | | | |
| AD822ARMZ | Dual 1.8 MHz 2 AMP 3 V/us MSOP 8 Pins | 19P8296 | --- |
| EVAL-INAMP-82RZ | AD8221, AD8228, AD8421, INSTR AMP, EVAL KIT | 26R2672 | --- |
| AD822ANZ | Dual 1.8 MHz 2 AMP 3 V/us DIP 8 Pins | 59K6437 | --- |
| AD822ARZ | Dual 1.8 MHz 2 AMP 3 V/us SOIC 8 Pins | 59K6490 | --- |
| AD825 Low Cost, General-Purpose High Speed Series | | | |
| AD825ARZ | Single 10 MHz 1 AMP 140 V/us SOIC 8 Pins | 59K6528 | 3.85 |
| AD860 Precision, Low Noise Series | | | |
| AD8605ARTZ-REEL7 | Single 10 MHz 1 AMP 5 V/us SOT-23 5 Pins | 19M8925 | --- |
| AD8606ARMZ-REEL | Dual 10 MHz 2 AMP 5 V/us MSOP 8 Pins | 59K6920 | --- |
| AD8606ACBZ-REEL7 | Dual 10 MHz 2 AMP 5 V/us WL CSP 8 Pins | 64M7588 | --- |
| AD8605ACBZ-REEL7 | Single 10 MHz 1 AMP 5 V/us WL CSP 5 Pins | 67W2756 | --- |
| AD8627 Precision, Low Power Series | | | |
| AD8627AKSZ-REEL7 | Single 5 MHz 1 AMP 5 V/us SC-70 5 Pins | 59K6990 | --- |
| ADA4177 Precision, Low Noise Series | | | |
| ADA4177-1ARZ | 3.5 MHz 1 AMP 1.5 V/us NSOIC 8 Pins | 50Y1648 | --- |
| ADA4522 Rail to Rail, Ultra Low Noise Series | | | |
| ADA4522-4ARZ | Zero Drift 2.7 MHz 4 AMP 1.8 V/us | 59Y6672 | --- |
| ADA4522-1ARMZ-R7 | Rail-to-Rail 2.7 MHz 1 AMP 1.7 V/us MSOP 8 Pins | 89Y6954 | --- |
| ADA4530 Femtoampere Input Bias Current Electrometer | | | |
| ADA4530-1ARZ | 2 MHz 1 AMP 1.4 V/us NSOIC 8 Pins | 70Y6519 | --- |
| ADA4622 Precision, Low Bias Current Series | | | |
| ADA4622-2ARMZ | Rail to Rail 8 MHz 2 AMP 23 V/us MSOP 8 Pins | 59Y6675 | 4.16 |
| ADA4622-2ARZ | Rail to Rail O/P 8 MHz 2 AMP 23 V/us NSOIC 8 Pins | 59Y6678 | --- |
| ADA480x Rail to Rail Series | | | |
| ADA4807-1AKSZ-R2 | 180 MHz 1 AMP 225 V/us SC-70 6 Pins | 52Y5584 | --- |
| ADA4807-4ARUZ | 180 MHz 4 AMP 160 V/us TSSOP 14 Pins | 53Y1120 | --- |
| ADA4806-1ARJZ-R2 | Rail to Rail 120 MHz 1 AMP 190 V/us SOT-23 8 Pins | 78Y4073 | --- |
| ADA4899 Unity Gain, High Speed Series | | | |
| ADA4899-1YRDZ | Single 600 MHz 1 AMP 310 V/us SOIC 8 Pins | 19M0651 | --- |
| OP27 Precision, Low Noise Series | | | |
| OP27EPZ | Single 8 MHz 1 AMP 2.8 V/us DIP 8 Pins | 59K8827 | --- |
| OP27GPZ | Single 8 MHz 1 AMP 2.8 V/us DIP 8 Pins | 59K8828 | --- |
| OP282 Precision, High Speed Series | | | |
| OP282GSZ | Dual 4 MHz 2 AMP 9 V/us SOIC 8 Pins | 19M8980 | --- |
| OP400 Low Offset, Low Power Series | | | |
| OP400EY | Quad 500 kHz 4 AMP 0.15 V/us DIP 14 Pins | 05F8665 | --- |
| OP400GPZ | Quad 500 kHz 4 AMP 0.15 V/us DIP 14 Pins | 59K889 | --- |

PIM_5576410

ANALOG DEVICES - OPERATIONAL AMPLIFIER SELECTION



AHEAD OF WHAT'S POSSIBLE™

| Mfg. Part No. | Description | Stock No. | Price Each 1-9+ |
|--|---|-----------|--------------------|
| ADA4177 Precision, Low Noise Series | | | |
| ADA4177-1ARZ | 3.5 MHz 1 AMP 1.5 V/us NSOIC 8 Pins | 50Y1648 | --- |
| ADA4522 Rail to Rail, Ultra Low Noise Series | | | |
| ADA4522-4ARZ | Zero Drift 2.7 MHz 4 AMP 1.8 V/us | 59Y6672 | --- |
| ADA4522-1ARMZ-R7 | Rail-to-Rail 2.7 MHz 1 AMP 1.7 V/us MSOP 8 Pins | 89Y6954 | --- |
| ADA4530 Femtoampere Input Bias Current Electrometer | | | |
| ADA4530-1ARZ | 2 MHz 1 AMP 1.4 V/us NSOIC 8 Pins | 70Y6519 | --- |
| ADA4622 Precision, Low Bias Current Series | | | |
| ADA4622-2ARMZ | Rail to Rail 8 MHz 2 AMP 23 V/us MSOP 8 Pins | 59Y6675 | 4.16 |
| ADA4622-2ARZ | Rail to Rail O/P 8 MHz 2 AMP 23 V/us NSOIC 8 Pins | 59Y6678 | --- |
| ADA480x Rail to Rail Series | | | |
| ADA4807-1AKSZ-R2 | 180 MHz 1 AMP 225 V/us SC-70 6 Pins | 52Y5584 | --- |
| ADA4807-4ARUZ | 180 MHz 4 AMP 160 V/us TSSOP 14 Pins | 53Y1120 | --- |
| ADA4806-1ARJZ-R2 | Rail to Rail 120 MHz 1 AMP 190 V/us SOT-23 8 Pins | 78Y4073 | --- |

PIM_5578782

ANALOG DEVICES - AMPLIFIER SELECTION



AHEAD OF WHAT'S POSSIBLE™

► CONTINUED ►

ANALOG DEVICES - AMPLIFIER SELECTION (CONT.)

Analog Devices focuses on designing amplifiers that deliver high performance and high value. ADI combines circuit design, manufacturing process innovation, and applications expertise to create products that simplify signal conditioning design.

| Mfg. Part No. | Description | Stock No. | Price Each 1-4+ |
|----------------------------|---|-----------|--------------------|
| Audio Power | | | |
| OP275GPZ | AB 2 Channel DIP 8 Pins | 19M1029 | --- |
| SSM2019BNZ | AB 1 Channel DIP 8 Pins | 19M9007 | --- |
| SSM2375CBZ-REEL7 | D 1 Channel 3 W LCSP 9 Pins | 19T7839 | --- |
| SSM2537ACBZ-R7 | D 1 Channel 2.7 W WL CSP 9 Pins | 54W6624 | --- |
| SSM2141PZ | AB 1 Channel DIP 8 Pins | 59K9094 | --- |
| SSM2167-1RMZ-REEL | AB 1 Channel MSOP 10 Pins | 88H0694 | --- |
| Current Sense | | | |
| AD694ARZ | Current Transmitter 3 AMP 1.5 nA SOIC 16 Pins | 59K4525 | --- |
| AD694JNZ | Current Transmitter 4 AMP 1.5 nA DIP 16 Pins | 59K4530 | --- |
| Differential | | | |
| ADA4941-1YRZ | Single-Supply 1 AMPS 400 uV 31 MHz | 19M0653 | --- |
| AD629ARZ | High Common-Mode Voltage 1 AMPS 200 uV 1 dB 500 kHz | 59K4427 | 6.48 |
| AMP03GPZ | Unity-Gain 1 AMPS 750 uV 1 dB 3 MHz | 59K7592 | --- |
| AD8138ARZ | Low Distortion 1 AMPS 3.5 mV 1.0045 dB 320 MHz | 88H0176 | --- |
| ADA4940-1ACPZ-R7 | Low Distortion 1 AMPS 60 uV 260 MHz | 92T1800 | --- |
| Instrument | | | |
| AD524AD | 5 AMP 250 uV 5 V/us 25 MHz DIP | 05F6909 | --- |
| AMP01FX | 1 AMP 100 uV 4.5 V/us 570 kHz DIP | 05F7837 | --- |
| AD524ADZ | 1 AMP 250 uV 5 V/us 25 MHz DIP | 13M6165 | --- |
| AD524BDZ | 5 AMP 100 uV 5 V/us 25 MHz DIP | 13M6166 | --- |
| AD623ARMZ | 1 AMP 500 uV 0.3 V/us 800 kHz MSOP | 19M8824 | --- |
| AD8221BR | 1 AMP 25 uV 2 V/us 825 kHz 2 SOIC | 19M8891 | --- |
| AD620BRZ | 1 AMP 15 uV 1.2 V/us 1 MHz 2 SOIC | 56J9549 | --- |
| AD620ANZ | 1 AMP 50 uV 1.2 V/us 1 MHz 2 DIP | 59K4387 | --- |
| AD620BNZ | 1 AMP 15 uV 1.2 V/us 1 MHz 2 DIP | 59K4388 | --- |
| AD622ANZ | 1 AMP 125 uV 1.2 V/us 1 MHz 2 DIP | 59K4398 | --- |
| AD623ANZ | 1 AMP 200 uV 0.3 V/us 800 kHz DIP | 59K4402 | --- |
| AD623ARZ | 1 AMP 200 uV 0.3 V/us 800 kHz NSOIC | 59K4403 | --- |
| AMP02FPZ | 1 AMP 200 uV 6 V/us 1.2 MHz DIP | 59K7588 | --- |
| AD8222BCPZ-R7 | 2 AMP 60 uV 2 V/us 1.2 MHz 2 LF CSP | 67W2745 | --- |
| AD8224ACPZ-R7 | 2 AMP 300 uV 2 V/us 1.5 MHz LF CSP | 67W2746 | --- |
| AD8224CPZ-R7 | 2 AMP 175 uV 2 V/us 1.5 MHz LF CSP | 67W2747 | --- |
| AD620ARZ | 1 AMP 30 uV 1.2 V/us 1 MHz 2 SOIC | 82H2866 | --- |
| Isolation | | | |
| AD202JY | 1 AMP 15 mV 750 Vrms SIP 10 Pins | 05F6717 | --- |
| AD202KN | 1 AMP 5 mV 1500 Vrms DIP 10 Pins | 05F6718 | --- |
| AD210AN | 3-Port 1 AMP 15 mV 1DIP 12 Pins | 05F6727 | --- |
| AD210BN | 3-Port 1 AMP 5 mV 2.5 KV DIP 30 Pins | 05F6728 | --- |
| AD210JN | 3-Port 1 AMP 5 mV 1.5 KV DIP 30 Pins | 05F6729 | --- |
| AD215BY | 1 AMP 2 mV 1500 Vrms SIP 12 Pins | 16F6546 | --- |
| Programmable Gain | | | |
| AD8330ACPZ-R2 | 1 Channels 1 AMP 150 MHz | 28M4114 | --- |
| ADRF6516ACPZ-R7 | 2 Channels 2 AMP 31 MHz | 67W3151 | --- |
| Sample and Hold | | | |
| AD684JQ | 4 AMP 1 MHz 750 ns 50 mV DIP 16 Pins | 05F7219 | --- |
| AD783JRZ | High Speed 1 AMP 15 MHz 250 ns 50 mV SOIC 8 Pins | 59K5614 | --- |
| Sensor Conditioners | | | |
| AD598AD | Signal Conditioner 20 kHz DIP 20 Pins | 05F7096 | --- |

TEXAS INSTRUMENTS - AMPLIFIER SELECTION



| Mfg. Part No. | Description | Stock No. | Price Each 1-9+ |
|---|---|-----------|--------------------|
| Difet Electrometer-Grade Operational Amplifier | | | |
| OPA128JM | Single 1 MHz 1 AMP 3 V/us TO-99 8 Pins | 75C4586 | --- |
| General Purpose Amplifier | | | |
| TLC272CDR | Dual 1.7 MHz 2 AMP 3.6 V/us 3V to 16V SOIC 8 Pins | 28X4469 | --- |
| LM741CN/NOPB | Single 1.5 MHz 1 AMP 0.5 V/us 10V to 44V DIP 8 Pins | 41K6294 | 0.30 |
| LM324N | Quad 1.2 MHz 4 AMP 0.5 V/us 3V to 32V DIP 14 Pins | 60K6190 | --- |
| High Output Current, Precision Amplifier | | | |
| LM8261M5/NOPB | Single 21 MHz 1 AMP 12 V/us 2.SOT-23 5 Pins | 41K6397 | 2.84 |
| High Power Monolithic Amplifier | | | |
| OPA541AP | Single 1.6 MHz 1 AMP 10 V/us TO-220 11 Pins | 72K9048 | --- |
| High Precision, Low Power Amplifier | | | |
| OPA211AIDR | Single 45 MHz 1 AMP 27 V/us 2.2SOIC 8 Pins | 58M1075 | 5.18 |
| OPA2277UA | Dual 1 MHz 2 AMP 0.8 V/us SOIC 8 Pins | 75C4660 | 3.61 |

► CONTINUED ►

TEXAS INSTRUMENTS - AMPLIFIER SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Price Each 1-9+ |
|--|--|-----------|--------------------|
| High Speed Amplifier | | | |
| ● OPA690IDBV | Single 500 MHz 1 AMP 1.8 kV/us SOT-23 6 Pins | 75C5192 | 3.00 |
| ● THS4061CDGN | Single 180 MHz 1 AMP 400 V/us MSOP 8 Pins | 76C6351 | --- |
| High Speed Precision Amplifier | | | |
| ● OPA627AP | Single 16 MHz 1 AMP 55 V/us DIP 8 Pins | 04M6519 | 28.37 |
| ● OPA827AID | Single 22 MHz 1 AMP 28 V/us SOIC 8 Pins | 12P6261 | 5.04 |
| ● OPA627AU | Single 16 MHz 1 AMP 55 V/us SOIC 8 Pins | 30C4516 | 28.69 |
| High Voltage, High Current Power Amplifier | | | |
| ● OPA544T | Single 1.4 MHz 1 AMP 8 V/us TO-220 5 Pins | 36K2005 | 16.80 |
| ● OPA544AIDDA | Single 2.5 MHz 1 AMP 13 V/us SOIC 8 Pins | 73M3405 | 6.91 |
| ● OPA549T | Single 900 kHz 1 AMP 9 V/us TO-220 11 Pins | 74K3913 | --- |
| ● OPA547F/500 | Single 1 MHz 1 AMP 6 V/us TO-263 7 Pins | 75C5060 | --- |
| ● OPA548F/500 | Single 1 MHz 1 AMP 10 V/us TO-263 7 Pins | 75C5063 | --- |
| High Voltage, High Current Power Amplifiers | | | |
| ● OPA551UA | Single 3 MHz 1 AMP 15 V/us SOIC 8 Pins | 16M2463 | 2.24 |
| ● OPA547FKTW | Single 1 MHz 1 AMP 6 V/us TO-263 7 Pins | 28X4400 | --- |
| ● OPA548T | Single 1 MHz 1 AMP 10 V/us TO-220 7 Pins | 69K2680 | --- |
| High Voltage Precision Amplifier | | | |
| ● OPA445AU | Single 2 MHz 1 AMP 15 V/us SOIC 8 Pins | 75C5022 | --- |
| ● OPA445AP | Single 2 MHz 1 AMP 15 V/us DIP 8 Pins | 96K4527 | 11.85 |
| Low Noise, High Speed Amplifier | | | |
| ● OPA365AIDBVR | Single 50 MHz 1 AMP 25 V/us SOT-23 5 Pins | 28X4391 | --- |
| Low Noise, Low Power, Precision Amplifiers | | | |
| ● OPA211AIDGKT | Single 80 MHz 1 AMP 27 V/us 2.2MSOP 8 Pins | 94T5011 | 5.83 |
| Low Noise General Purpose Amplifier | | | |
| ● TL072CP | Dual 3 MHz 2 AMP 13 V/us DIP 8 Pins | 60K6988 | 0.31 |
| Low Noise Precision Amplifier | | | |
| ● OPA140AIDGKR | Single 11 MHz 1 AMP 20 V/us MSOP | 21T3835 | 1.61 |
| ● OPA227UA | Dual 8 MHz 2 AMP 2.3 V/us 2.SOIC 8 Pins | 35C1849 | 3.94 |
| ● OPA4227PA | Quad 8 MHz 4 AMP 2.3 V/us 2.DIP 14 Pins | 74K3910 | --- |
| ● OPA2227PA | Dual 8 MHz 2 AMP 2.3 V/us 2.DIP 8 Pins | 80K6017 | 5.49 |
| Low Noise Precision Amplifiers | | | |
| ● OPA4376AIPWR | Quad 5.5 MHz 4 AMP 2 V/us TSSOP 14 Pins | 54M7257 | 1.73 |
| Low Noise Precision DiFet Amplifier | | | |
| ● OPA111AM | Single 2 MHz 1 AMP 2 V/us TO-99 8 Pins | 75C4580 | --- |
| Low Power, Precision Amplifier | | | |
| ● OPA221AIDDA | Dual 45 MHz 2 AMP 27 V/us HSOP 8 Pins | 24R9889 | 11.53 |
| ● OPA227TU | Dual 1 MHz 2 AMP 0.8 V/us SOIC 8 Pins | 35C1863 | --- |
| Precision, Wide Supply Range Amplifier | | | |
| ● LMP7701MF/NOPB | Single 2.5 MHz 1 AMP 1.1 V/us SOT-23 5 Pins | 69K2293 | --- |
| Precision Amplifier | | | |
| ● LT1014CN | Quad 1 MHz 4 AMP 0.4 V/us DIP 14 Pins | 06F9485 | --- |
| ● OPA227UA | Quad 1 MHz 4 AMP 0.8 V/us SOIC 14 Pins | 24C8771 | 5.14 |
| ● TLV2372IDR | Dual 2.4 MHz 2 AMP 2 V/us SOIC 8 Pins | 76C7975 | --- |
| ● TLV2374IDR | Quad 2.4 MHz 4 AMP 2 V/us SOIC 14 Pins | 76C7983 | 1.96 |
| ● OPA2244UA | Dual 430 kHz 2 AMP 0.16 V/us SOIC 8 Pins | 80K6020 | --- |
| Rail-to-Rail Input-Output Precision Amplifier | | | |
| ● LM7301MF/NOPB | Single 4 MHz 1 AMP 1.25 V/us SOT-23 5 Pins | 28X4345 | --- |
| ● LMC6482AIM/NOPB | Dual 1.5 MHz 2 AMP 1.3 V/us SOIC 8 Pins | 41K2655 | 1.34 |
| Rail-to-Rail Precision Amplifier | | | |
| ● LMC6484AIMX/NOPB | Dual 1.5 MHz 2 AMP 1.3 V/us SOIC 14 Pins | 41K2664 | 2.82 |
| ● LM6132AIM/NOPB | Dual 10 MHz 2 AMP 14 V/us SOIC 8 Pins | 41K6184 | 2.74 |
| ● TLC2274ACDR | Quad 2.18 MHz 4 AMP 3.6 V/us SOIC 14 Pins | 76C6917 | 0.74 |
| Ultra-Low Input Current Amplifier | | | |
| ● LMC6001AIN/NOPB | Single 1.3 MHz 1 AMP 1.5 V/us DIP 8 Pins | 41K2572 | 4.16 |

PIM_5564607



TEXAS INSTRUMENTS - OPERATIONAL AMPLIFIER SELECTION



Authorized Distributor

Texas Instruments range of Operational Amplifiers include precision, high speed and ultra low power amplifiers. Precision amplifiers achieve high DC accuracy and AC performance in your precision system while the high speed amplifiers can deliver the lowest power and highest performance from 50MHz to 8GHz.

| Mfg. Part No. | Description | Stock No. | Tape Cut 1-9+ |
|---|--|-----------|------------------|
| Automotive, Low Power, Precision Amplifier | | | |
| ● OPA1612AQDRQ1 | 40 MHz 2 AMP 27 V/us 2.2SOIC 8 Pins | 74Y7289 | --- |
| ● OPA1612AQDRQ1 | 40 MHz 2 AMP 27 V/us 2.2SOIC 8 Pins | 78Y9391 | 3.73 |
| Difet Electrometer-Grade Operational Amplifier | | | |
| ● OPA128JM | Single 1 MHz 1 AMP 3 V/us TO-99 8 Pins | 75C4586 | --- |

TEXAS INSTRUMENTS - OPERATIONAL AMPLIFIER SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Tape Cut 1-9+ |
|--|---|-----------|------------------|
| General Purpose Amplifier | | | |
| ● TLC272CDR | Dual 1.7 MHz 2 AMP 3.6 V/us 3V to 16V SOIC 8 Pins | 28X4469 | --- |
| ● LM741CN/NOPB | Single 1.5 MHz 1 AMP 0.5 V/us 10V to 44V DIP 8 Pins | 41K6294 | 0.30 |
| ● LM324N | Quad 1.2 MHz 4 AMP 0.5 V/us 3V to 32V DIP 14 Pins | 60K6190 | --- |
| High Bandwidth, Precision Amplifier | | | |
| ● OPA251DBVT | Single 120 MHz 1 AMP 115 V/us SOT-23 6 Pins | 51Y4125 | --- |
| ● OPA2625IDGST | Rail to Rail 120 MHz 2 AMP 115 V/us VSSOP 10 Pins | 71Y9226 | --- |
| ● OPA2625IDGST | Rail to Rail 120 MHz 2 AMP 115 V/us VSSOP 10 Pins | 78Y9392 | --- |
| High Current Power Amplifier | | | |
| ● ALM2402QPWPRQ1 | 600 kHz 4 AMP 0.17 V/us HTSSOP 14 Pins | 53Y0401 | --- |
| ● ALM2402QPWPRQ1 | 600 kHz 4 AMP 0.17 V/us HTSSOP 14 Pins | 68Y0726 | --- |
| High Output Current, Precision Amplifier | | | |
| ● LM8261M/NOPB | Single 21 MHz 1 AMP 12 V/us 2.SOT-23 5 Pins | 41K6397 | 2.84 |
| High Power Monolithic Amplifier | | | |
| ● OPA541AP | Single 1.6 MHz 1 AMP 10 V/us TO-220 11 Pins | 72K9048 | --- |
| High Precision, Low Power Amplifier | | | |
| ● OPA211AIDR | Single 45 MHz 1 AMP 27 V/us 2.2SOIC 8 Pins | 58M1075 | 5.18 |
| ● OPA2277UA | Dual 1 MHz 2 AMP 0.8 V/us SOIC 8 Pins | 75C4660 | 3.61 |
| High Speed Amplifier | | | |
| ● OPA690IDBV | Single 500 MHz 1 AMP 1.8 kV/us SOT-23 6 Pins | 75C5192 | 3.00 |
| ● THS4061CDGN | Single 180 MHz 1 AMP 400 V/us MSOP 8 Pins | 76C6351 | --- |
| High Speed Precision Amplifier | | | |
| ● OPA627AP | Single 16 MHz 1 AMP 55 V/us DIP 8 Pins | 04M6519 | 28.37 |
| ● OPA827AID | Single 22 MHz 1 AMP 28 V/us SOIC 8 Pins | 12P6261 | 5.04 |
| ● OPA627AU | Single 16 MHz 1 AMP 55 V/us SOIC 8 Pins | 30C4516 | 28.69 |
| High Voltage, High Current Power Amplifier | | | |
| ● OPA544T | Single 1.4 MHz 1 AMP 8 V/us TO-220 5 Pins | 36K2005 | 16.80 |
| ● OPA544AIDDA | Single 2.5 MHz 1 AMP 13 V/us SOIC 8 Pins | 73M3405 | 6.91 |
| ● OPA549T | Single 900 kHz 1 AMP 9 V/us TO-220 11 Pins | 74K3913 | --- |
| ● OPA547F/500 | Single 1 MHz 1 AMP 6 V/us TO-263 7 Pins | 75C5060 | --- |
| ● OPA548F/500 | Single 1 MHz 1 AMP 10 V/us TO-263 7 Pins | 75C5063 | --- |
| High Voltage, High Current Power Amplifiers | | | |
| ● OPA551UA | Single 3 MHz 1 AMP 15 V/us SOIC 8 Pins | 16M2463 | 2.24 |
| ● OPA547FKTW | Single 1 MHz 1 AMP 6 V/us TO-263 7 Pins | 28X4400 | --- |
| ● OPA548T | Single 1 MHz 1 AMP 10 V/us TO-220 7 Pins | 69K2680 | --- |
| High Voltage Precision Amplifier | | | |
| ● OPA445AU | Single 2 MHz 1 AMP 15 V/us SOIC 8 Pins | 75C5022 | --- |
| ● OPA445AP | Single 2 MHz 1 AMP 15 V/us DIP 8 Pins | 96K4527 | 11.85 |
| Low Noise, High Speed Amplifier | | | |
| ● OPA365AIDBVR | Single 50 MHz 1 AMP 25 V/us SOT-23 5 Pins | 28X4391 | --- |
| Low Noise, Low Power, Precision Amplifier | | | |
| ● OPA2316IDRGT | Dual 10 MHz 2 AMP 6 V/us DFN 8 Pins | 51Y4124 | 0.61 |
| Low Noise, Low Power, Precision Amplifiers | | | |
| ● OPA211AIDGKT | Single 80 MHz 1 AMP 27 V/us 2.2MSOP 8 Pins | 94T5011 | 5.83 |
| Low Noise, Precision Amplifier | | | |
| ● OPA4192ID | Rail-to-Rail I/O 10 MHz 4 AMP 20 V/us | 71Y8681 | --- |
| ● OPA4192IPW | 10 MHz 4 AMP 20 V/us TSSOP 14 Pins | 74Y7290 | 1.46 |
| Low Noise General Purpose Amplifier | | | |
| ● TL072CP | Dual 3 MHz 2 AMP 13 V/us DIP 8 Pins | 60K6988 | 0.31 |
| Low Noise Precision Amplifier | | | |
| ● OPA140AIDGKR | Single 11 MHz 1 AMP 20 V/us MSOP | 21T3835 | 1.61 |
| ● OPA227UA | Dual 8 MHz 2 AMP 2.3 V/us 2.SOIC 8 Pins | 35C1849 | 3.94 |
| ● OPA4227PA | Quad 8 MHz 4 AMP 2.3 V/us 2.DIP 14 Pins | 74K3910 | --- |
| ● OPA2227PA | Dual 8 MHz 2 AMP 2.3 V/us 2.DIP 8 Pins | 80K6017 | 5.49 |
| Low Noise Precision Amplifiers | | | |
| ● OPA4376AIPWR | Quad 5.5 MHz 4 AMP 2 V/us TSSOP 14 Pins | 54M7257 | 1.73 |
| Low Noise Precision DiFet Amplifier | | | |
| ● OPA111AM | Single 2 MHz 1 AMP 2 V/us TO-99 8 Pins | 75C4580 | --- |
| Low Offset Voltage, Precision Amplifier | | | |
| ● OPA2192IDR | Dual 10 MHz 2 AMP 20 V/us SOIC | 51Y4123 | 2.05 |
| ● OPA2192IDGKT | 10 MHz 2 AMP 20 V/us VSSOP 8 Pins | 58Y6332 | --- |
| ● OPA2192IDGKT | 10 MHz 2 AMP 20 V/us VSSOP 8 Pins | 68Y0731 | --- |
| Low Power, Precision Amplifier | | | |
| ● OPA2211AIDDA | Dual 45 MHz 2 AMP 27 V/us HSOP 8 Pins | 24R9889 | 11.53 |
| ● OPA2277U | Dual 1 MHz 2 AMP 0.8 V/us SOIC 8 Pins | 35C1863 | --- |
| Low Power Amplifier | | | |
| ● LPV542DNXT | Dual 8 kHz 2 AMP 3.7 V/ms XSON 8 Pins | 51Y4120 | --- |
| ● LPV542DGKR | 8 kHz 2 AMP 3.7 V/ms VSSOP 8 Pins | 68Y5923 | 0.36 |
| ● LPV542DGKR | 8 kHz 2 AMP 3.7 V/ms VSSOP 8 Pins | 68Y5924 | --- |
| Precision, Wide Supply Range Amplifier | | | |
| ● LMP7701MF/NOPB | Single 2.5 MHz 1 AMP 1.1 V/us SOT-23 5 Pins | 69K2293 | --- |

► CONTINUED ►

► CONTINUED ►

1 AMPLIFIERS

TEXAS INSTRUMENTS - OPERATIONAL AMPLIFIER SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Tape Cut 1-9+ |
|--|--|-----------|------------------|
| Precision Amplifier | | | |
| ● LT1014CN | Quad 1 MHz 4 AMP 0.4 V/us DIP 14 Pins | 06F9485 | --- |
| ● OPA4277UA | Quad 1 MHz 4 AMP 0.8 V/us SOIC 14 Pins | 24C8771 | 5.14 |
| ● TLV2372IDR | Dual 2.4 MHz 2 AMP 2 V/us SOIC 8 Pins | 76C7975 | --- |
| ● TLV2374IDR | Quad 2.4 MHz 4 AMP 2 V/us SOIC 14 Pins | 76C7983 | 1.96 |
| ● OPA2244UA | Dual 430 kHz 2 AMP 0.16 V/us SOIC 8 Pins | 80K6020 | --- |
| Rail-to-Rail Input-Output Precision Amplifier | | | |
| ● LM7301IM5/NOPB | Single 4 MHz 1 AMP 1.25 V/us SOT-23 5 Pins | 28X4345 | --- |
| ● LMC6482AIM/NOPB | Dual 1.5 MHz 2 AMP 1.3 V/us SOIC 8 Pins | 41K2655 | 1.34 |
| Rail-to-Rail Precision Amplifier | | | |
| ● OPA192IDBVR | Single 10 MHz 1 AMP 20 V/us SOT-23 | 51Y4122 | 3.22 |
| ● OPA2172IDGK | 10 MHz 2 AMP 10 V/us VSSOP 8 Pins | 53Y0819 | --- |
| ● OPA4172IPW | 10 MHz 4 AMP 10 V/us TSSOP 14 Pins | 53Y0821 | --- |
| ● OPA1668IDRGR | 10 MHz 2 AMP 8 V/us WSON 8 Pins | 68Y5925 | --- |
| ● OPA1668IDRGR | Rail-to-Rail O/P 10 MHz 2 AMP 8 V/us | 70Y6449 | --- |
| ● OPA2172IDRGT | Rail-to-Rail O/P 10 MHz 2 AMP 10 V/us | 75Y8065 | --- |
| ● LMC6484AIMX/NOPB | Dual 1.5 MHz 2 AMP 1.3 V/us SOIC 14 Pins | 41K2664 | 2.82 |
| ● LM6132AIM/NOPB | Dual 10 MHz 2 AMP 14 V/us SOIC 8 Pins | 41K6184 | 2.74 |
| ● TLC2274ACDR | Quad 2.18 MHz 4 AMP 3.6 V/us SOIC 14 Pins | 76C6917 | 0.74 |
| Ultra-Low Input Current Amplifier | | | |
| ● LMC6001AIN/NOPB | Single 1.3 MHz 1 AMP 1.5 V/us DIP 8 Pins | 41K2572 | 4.16 |

PIM_5578784

TEXAS INSTRUMENTS - AMPLIFIER SELECTION

**TEXAS INSTRUMENTS**
Authorized Distributor

Texas Instruments offers a range of Amplifiers suited to different applications. From audio, current sense, differential and instrumental amplifiers you will be able to find the right amplifier to fit your design.

| Mfg. Part No. | Description | Stock No. | Tape Cut 1-9+ |
|----------------------|---|-----------|------------------|
| Audio Power | | | |
| ● TPA6130A2RTJR | AB 2 Channel 138 mW QFN 20 Pins | 34M0132 | --- |
| ● OPA2134UA | 2 Channel 2.5SOIC 8 Pins | 35C1847 | 4.47 |
| ● LM1875T/NOPB | B 1 Channel 25 W TO-220 5 Pins | 41K3523 | --- |
| ● TPA3140D2PWP | D 2 Channel 10 W HTSSOP 28 Pins | 47Y6181 | 0.68 |
| ● TPA3144D2PWPR | D 2 Channel 6 W HTSSOP 28 Pins | 68Y0735 | 0.83 |
| ● OPA2134PA | 2 Channel 2.DIP 8 Pins | 74K3897 | --- |
| ● TPA3123D2PWPR | D 2 Channel 25 W HTSSOP 24 Pins | 86W6302 | --- |
| Buffers-Video | | | |
| ● OPA633KP | High Speed 1 AMPS 260 MHz 2500 V/us DIP 8 Pins | 17M7509 | --- |
| ● BUFG34U | High Speed 1 AMPS 180 MHz 2000 V/us SOIC 8 Pins | 27C6567 | --- |
| ● BUFG34P | High Speed 1 AMPS 180 MHz 2000 V/us DIP 8 Pins | 80K5714 | 4.50 |
| Current Sense | | | |
| ● INA219AIDCNR | Bi-Directional Current 1 AMP SOT-23 8 Pins | 09P2546 | 2.36 |
| ● INA209AIPWR | Bi-Directional Current 1 AMP TSSOP 16 Pins | 48M0665 | 2.50 |
| ● INA226AIDGSR | Bi-Directional Current 10 uA MSOP 10 Pins | 52T7856 | --- |
| ● XTR111ADGQT | Precision 2 AMP 25 nA MSOP 10 Pins | 54M7931 | --- |
| ● RCV420UP | Precision 1 AMP DIP 16 Pins | 60K6765 | --- |
| ● INA285AQDRQ1 | 1 AMP 25 uA SOIC 8 Pins | 68Y0728 | --- |
| ● INA286AQDRQ1 | 1 AMP 25 uA SOIC 8 Pins | 68Y0729 | 1.45 |
| ● XTR110KP | Precision 2 AMP DIP 16 Pins | 79K0175 | 11.64 |
| ● INA193AIDBVR | Common-Mode Range 2 AMP 16 uA SOT-23 5 Pins | 86W5980 | --- |
| Differential | | | |
| ● INA105KP | Unity-Gain 1 AMPS 500 uV 1 dB 1 MHz | 04M4538 | --- |
| ● INA117KU | High Common-Mode Voltage 1 AMPS 1 mV 200 kHz | 17M6717 | 8.38 |
| ● THS4521IDGKT | Low Power 1 AMPS 2 mV 1.02 dB 145 MHz | 45P2939 | 1.37 |
| ● THS4131ID | Low Noise 1 AMPS 2 mV 2 dB 150 MHz | 72C6289 | 4.01 |
| ● INA117P | High Common-Mode Voltage 1 AMPS 1 mV 1 dB 200 kHz | 74K3811 | --- |
| Instrument | | | |
| ● INA333AIDGKR | 1 AMP 25 uV 0.016 V/us 150 kHz VSSOP | 01P0907 | 4.59 |
| ● INA118U | 1 AMP 125 uV 0.09 V/us 800 kHz 1.3SOIC | 04M6168 | --- |
| ● INA116UA | 1 AMP 5 mV 0.08 V/us 800 kHz SOIC | 35C1717 | 19.31 |
| ● INA125P | 1 AMP 250 uV 0.02 V/us 150 kHz 2.DIP | 35C1726 | --- |
| ● INA128U | 1 AMP 50 uV 4 V/us 1.3 MHz 2.2SOIC | 35C1729 | --- |
| ● INA128UA | 1 AMP 125 uV 4 V/us 1.3 MHz 2.2SOIC | 35C1730 | --- |
| ● PGA204BU | 1 AMP 50 uV 0.07 V/us 1 MHz SOIC | 35C1958 | --- |
| ● INA326EA/2K5 | 1 AMP 100 uV 1 kHz MSOP | 74C9874 | 2.83 |
| ● INA101HP | 1 AMP 250 uV 0.04 V/us 300 kHz DIP | 74K3804 | --- |
| ● INA114AP | 1 AMP 125 uV 0.06 V/us 1 MHz 2.2DIP | 74K3809 | --- |
| ● INA114BP | 1 AMP 50 uV 0.06 V/us 1 MHz 2.2DIP | 74K3810 | 10.67 |
| ● INA2128UA | 2 AMP 125 uV 4 V/us 1.3 MHz 2.2SOIC | 80K5912 | 9.87 |
| ● PGA202KP | 1 AMP 2 mV 20 V/us 1 MHz DIP | 80K6038 | 18.69 |

► CONTINUED ►

TEXAS INSTRUMENTS - AMPLIFIER SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Tape Cut 1-9+ |
|-----------------------|---|-----------|------------------|
| Isolation | | | |
| ● ISO124U | Precision 1 AMP 50 mV 1500 Vrms SOIC 8 Pins | 10M8426 | --- |
| ● ISO124P | Precision 1 AMP 50 mV 1500 Vrms DIP 8 Pins | 35C1752 | --- |
| ● ISO122P | Precision 1 AMP 50 mV 1500 Vrms DIP 8 Pins | 55M8194 | --- |
| ● ISO122JP | Precision 1 AMP 50 mV 1500 Vrms DIP 8 Pins | 75C0481 | --- |
| Transimpedance | | | |
| ● IVC102U | Transimpedance AMP 12 MHz -100 uA 100 uA SOIC | 03P0868 | --- |

PIM_5576429

TEXAS INSTRUMENTS - COMPARATOR SELECTION

**TEXAS INSTRUMENTS**
Authorized Distributor

Texas Instruments offers a variety of comparators with wide supply ranges, from 2 V to 36 V, and low supply currents enabling low power operation. These features, along with fast rise and fall times, make TI's comparators the perfect choice for a wide variety of industrial and commercial uses.

| Mfg. Part No. | Description | Stock No. | Price Each 1-9+ |
|--------------------------------|--|-----------|--------------------|
| High Voltage Comparator | | | |
| ● PTS3700DDCR | Rail to Rail High Voltage2 SOT-23 6 Pins | 94T1856 | 1.79 |
| Low Power Comparator | | | |
| ● LM339N | Quad Voltage4 300 ns DIP 14 Pins | 06F9386 | 0.16 |
| ● LM339AMX/NOPB | Quad Low Power4 1.3 us SOIC 14 Pins | 28X4334 | --- |
| ● TLV1701AIDCKT | Single Micropower1 560 ns 2.SC-70 5 Pins | 38Y6981 | 1.37 |
| ● LM339/NOPB | Quad Low Power4 1.3 us SOIC 14 Pins | 41K4752 | --- |
| ● TLV1701AIDRLT | Micropower1 560 ns 2.SOT-553 5 Pins | 52Y0768 | --- |
| ● TLV1702AIRUGR | Micropower2 2.X2 QFN 8 Pins | 68Y0733 | --- |
| ● TLV1702AQDQKRQ1 | Micropower1 2.V SSOP 8 Pins | 78Y9393 | 0.32 |

Quad Differential Comparator

| | | | |
|-----------|--------------------------------|---------|------|
| ● LM139DR | Quad DIFF4 300 ns SOIC 14 Pins | 28X4322 | --- |
| ● LM139DR | Quad DIFF4 300 ns SOIC 14 Pins | 75C0710 | 0.51 |

Rail to Rail Comparator

| | | | |
|-------------------|--|---------|------|
| ● LMV7219M5/NOPB | Single High Speed1 7 ns SOT-23 5 Pins | 12X9028 | --- |
| ● LMC7211A5M/NOPB | Single Micropower1 4 us SOT-23 5 Pins | 28X4275 | --- |
| ● LMC7215M5/NOPB | Single Micropower1 11 us SOT-23 5 Pins | 41K2726 | --- |
| ● LMV7219M/NOPB | Single High Speed1 7 ns SOT-23 5 Pins | 41K3149 | 1.57 |
| ● TLV3502AIDCNT | Dual High Speed4.5 ns SOT-23 8 Pins | 43K4128 | --- |

Voltage Comparator

| | | | |
|---------------|---|---------|-----|
| ● LM311N/NOPB | Single General Purpose1 200 ns DIP 8 Pins | 41K4648 | --- |
|---------------|---|---------|-----|

PIM_5576431

LINEAR TECHNOLOGY - AMPLIFIER SELECTION

**LINEAR TECHNOLOGY**

| Mfg. Part No. | Description | Stock No. | Tape Cut 1-24+ |
|---|--|-----------|-------------------|
| LT1013 - Dual Precision Op Amp | | | |
| ● LT1013CN8#PBF | Dual 800 kHz 2 AMP 0.4 V/us DIP 8 Pins | 57M0823 | --- |
| ● LT1013DS8#PBF | Dual 800 kHz 2 AMP 0.4 V/us SOIC 8 Pins | 57M0827 | --- |
| ● LT1013IN8#PBF | Dual 800 kHz 2 AMP 0.4 V/us DIP 8 Pins | 57M0831 | --- |
| LT1014 - Quad Precision Op Amp | | | |
| ● LT1014DSW#PBF | Quad 800 kHz 4 AMP 0.4 V/us SOIC 16 Pins | 57M0843 | --- |
| ● LT1014IN#PBF | Quad 800 kHz 4 AMP 0.4 V/us DIP 14 Pins | 57M0847 | --- |
| LT1028 - Ultra Low Noise Precision High Speed Op Amps | | | |
| ● LT1028CS8#PBF | Single 75 MHz 1 AMP 15 V/us SOIC 8 Pins | 57M1061 | --- |
| LT1058 - JFET Input Precision High Speed Op Amps | | | |
| ● LT1058CN#PBF | Quad 5 MHz 4 AMP 14 V/us DIP 14 Pins | 57M1232 | --- |
| LT1078- Micropower, Single Supply, Precision Op Amps | | | |
| ● LT1078IN8#PBF | Dual 200 kHz 2 AMP 0.07 V/us 2.DIP 8 Pins | 57M1406 | --- |
| ● LT1078IS8#PBF | Dual 200 kHz 2 AMP 0.07 V/us SOIC 8 Pins | 57M1412 | --- |
| ● LT1079CN#PBF | Quad 200 kHz 4 AMP 0.07 V/us DIP 14 Pins | 57M1426 | --- |
| LT1112 - Dual Low Power Precision, Picoamp Input Op Amps | | | |
| ● LT1112S8#PBF | Dual 750 kHz 2 AMP 0.3 V/us SOIC 8 Pins | 57M1739 | --- |
| LT1125 - Quad Low Noise, High Speed Precision Op Amps | | | |
| ● LT1125CN#PBF | Quad 12.5 MHz 4 AMP 4 V/us DIP 14 Pins | 57M2023 | --- |
| LT1210 - 1.1A, 35MHz Current Feedback Amplifier | | | |
| ● LT1210CT7#PBF | Single 55 MHz 1 AMP 900 V/us TO-220 7 Pins | 57M2704 | --- |
| LT1355 - Dual 12MHz, 400V/us Op Amps | | | |
| ● LT1355CS8#PBF | Dual 12 MHz 2 AMP 400 V/us SOIC 8 Pins | 57M3437 | --- |
| LT1360 - 50MHz, 800V/us Op Amp | | | |
| ● LT1360CS8#PBF | Single 50 MHz 1 AMP 800 V/us SOIC 8 Pins | 57M3487 | --- |

► CONTINUED ►

LINEAR TECHNOLOGY - AMPLIFIER SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Tape Cut 1-24+ |
|---|---|-----------|-------------------|
| LT1366 - Dual Precision Rail-to-Rail Input and Output Op Amps | | | |
| ● LT1366CS8#PBF | Dual 400 kHz 2 AMP 0.13 V/us SOIC 8 Pins | 57M3523 | --- |
| LT1468 - 90MHz, 22V/us 16-Bit Accurate Operational Amplifier | | | |
| ● LT1468CS8#PBF | Single 90 MHz 1 AMP 22 V/us SOIC 8 Pins | 57M4378 | --- |
| LT1490 - Dual and Quad Micropower Rail-to-Rail Input and Output Op Amps | | | |
| ● LT1490ACS8#PBF | Dual 180 kHz 2 AMP 0.06 V/us SOIC 8 Pins | 57M4410 | --- |
| ● LT1490AIS8#PBF | Dual 200 kHz 2 AMP 0.07 V/us SOIC 8 Pins | 57M4432 | --- |
| LT1492 - 5MHz, Low Power Single Supply Precision Op Amps | | | |
| ● LT1492CS8#PBF | Dual 5 MHz 2 AMP 3 V/us SOIC 8 Pins | 57M4488 | --- |
| LT167x - Low Noise, Rail-to-Rail Precision Op Amp | | | |
| ● LT1677CS8#PBF | Single 7.2 MHz 1 AMP 2.5 V/us SOIC 8 Pins | 57M5685 | --- |
| ● LT1677IS8#PBF | Single 7.2 MHz 1 AMP 2.5 V/us SOIC 8 Pins | 57M5691 | --- |
| ● LT1678CS8#PBF | Dual 20 MHz 2 AMP 6 V/us 2.5SOIC 8 Pins | 57M5695 | --- |
| LT1782 - Micropower, Rail-to-Rail Input and Output Op Amp | | | |
| ● LT1782IS6#TRMPBF | Single 200 kHz 1 AMP 0.075 V/us TSOT-23 6 Pins | 73W9311 | --- |
| LT6023 - Micropower, Precision Rail-to-Rail Output Amplifier | | | |
| ● LT6023HDD-1#PBF | Dual 40 kHz 2 AMP 1.45 V/us DFN 10 Pins | 42Y2781 | --- |
| ● LT6023HDD#PBF | Dual 40 kHz 2 AMP 1.45 V/us DFN 8 Pins | 42Y2783 | --- |
| ● LT6023HMS8#PBF | Dual 40 kHz 2 AMP 1.45 V/us MSOP 8 Pins | 42Y2785 | --- |
| ● LT6023IDD-1#PBF | Dual 40 kHz 2 AMP 1.45 V/us DFN 10 Pins | 42Y2787 | --- |
| ● LT6023IDD#PBF | Dual 40 kHz 2 AMP 1.45 V/us DFN 8 Pins | 42Y2789 | --- |
| ● LT6023IMS8#PBF | Dual 40 kHz 2 AMP 1.45 V/us MSOP 8 Pins | 42Y2791 | --- |
| LT6202 - 100MHz, Rail-to-Rail Input and Output, Low Power Op Amps | | | |
| ● LT6202IS5#TRMPBF | Single 100 MHz 1 AMP 25 V/us TSOT-23 5 Pins | 57M9210 | --- |
| LTC1051 - Precision Zero-Drift Operational Amplifiers With Internal Capacitors | | | |
| ● LTC1051CN8#PBF | Dual 2.5 MHz 2 AMP 4 V/us DIP 8 Pins | 55M8948 | --- |
| LTC1150 - Zero-Drift Operational Amplifier with Internal Capacitors | | | |
| ● LTC1150CN8#PBF | Single 2.5 MHz 1 AMP 3 V/us DIP 8 Pins | 55M9396 | --- |
| LTC6246 - 180MHz, 1mA Power Efficient Single Rail-to-Rail Op Amps | | | |
| ● LTC6246HS6#TRMPBF | Single 180 MHz 1 AMP 90 V/us SOT-23 6 Pins | 72R5713 | --- |
| LTC6247 - 180MHz, 1mA Power Efficient Rail-to-Rail Op Amps | | | |
| ● LTC6247CDC#TRMPBF | 180 MHz 2 AMP 90 V/us DFN 8 Pins | 56Y1545 | --- |
| ● LTC6247IDC#TRMPBF | 180 MHz 2 AMP 90 V/us DFN 8 Pins | 56Y1547 | --- |
| LTC6252 - 720MHz, 3.5mA Power Efficient Rail-to-Rail Op Amps | | | |
| ● LTC6252HS#TRMPBF | Single 720 MHz 1 AMP 280 V/us SOT-23 6 Pins | 13T4044 | --- |
| LTC625x - Power Efficient Rail-to-Rail Op Amps | | | |
| ● LTC6256CDC#TRMPBF | 6.5 MHz 2 AMP 1.8 V/us DFN 8 Pins | 56Y1549 | --- |
| ● LTC6256IDC#TRMPBF | 6.5 MHz 2 AMP 1.8 V/us DFN 8 Pins | 56Y1551 | --- |
| ● LTC6255CDC#TRMPBF | Rail to Rail 6.5 MHz 1 AMP 1.8 V/us DFN 6 Pins | 75Y8325 | --- |
| ● LTC6255IDC#TRMPBF | Rail to Rail 6.5 MHz 1 AMP 1.8 V/us DFN 6 Pins | 75Y8328 | --- |
| ● LTC6253HMS7#PBF | Rail-to-Rail 2 GHz 2 AMP 500 V/us MSOP 10 Pins | 78Y9780 | --- |
| ● LTC6253IMS7#PBF | Rail-to-Rail 2 GHz 2 AMP 500 V/us MSOP 10 Pins | 78Y9781 | --- |
| LTC6268 - 500MHz Ultra-Low Bias Current FET Input Op Amp | | | |
| ● LTC6268IS6#TRMPBF | Single 350 MHz 1 AMP 400 V/us TSOT-23 6 Pins | 03Y0286 | --- |
| ● LTC6268IS610#TRMPBF | R-to-R O/P 4 GHz 1 AMP 1.5 kV/us TSOT-23 6 Pins | 77Y7491 | --- |

LINEAR TECHNOLOGY - COMPARATOR SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Price Each 1-24+ |
|---|---------------------------------------|-----------|---------------------|
| LT171x - Rail to Rail Comparator | | | |
| ● LT1719IS8#PBF | Single High Speed2 4 ns MSOP 10 Pins | 19P0902 | --- |
| ● LT1711CMS8#PBF | Single High Speed1 4.5 ns MSOP 8 Pins | 57M5751 | --- |
| LT1713IMS8#PBF | | | |
| ● LT1713CMS8#PBF | Single High Speed1 7 ns MSOP 8 Pins | 57M5771 | --- |
| ● LT1714CGN#PBF | Dual High Speed2 7 ns SSOP 16 Pins | 57M5775 | --- |
| ● LT1715CMS#PBF | Dual High Speed2 4 ns MSOP 10 Pins | 57M5783 | --- |

MAXIM - AMPLIFIER SELECTION



Maxim offers a wide selection of operational amplifiers, current-sense amplifiers, and comparators for signal conditioning, monitoring, and control applications.

| Mfg. Part No. | Description | Stock No. | Price Each 1-9+ |
|----------------------|--|-----------|--------------------|
| Audio Power | | | |
| ● MAX9724AETC+T | DirectDrive AB 2 Channel 63 mW TQFN 12 Pins | 73Y6551 | 1.44 |
| ● MAX9830TE+-T | Multilevel D 1 Channel 3.3 W TQFN 16 Pins | 73Y6585 | 0.79 |
| ● MAX9813LEKA+T | Fixed Gain 2 Channel SOT-23 8 Pins | 74Y9782 | 0.86 |
| Buffers-Video | | | |
| ● MAX4022ESD+ | 4 AMPs 200 MHz 600 V/us NSOIC 14 Pins | 73Y3830 | 4.76 |
| Current Sense | | | |
| ● MAX4070UAU+ | 1 AMP 2.4 uA uMAX 8 Pins | 73Y3879 | 2.33 |
| ● MAX4080TASA+T | High Side 1 AMP 5 uA NSOIC 8 Pins | 73Y3892 | 1.91 |
| ● MAX4372TEUK+T | High Side Micropower 1 AMP 2 uA SOT-23 5 Pins | 73Y4059 | 1.74 |
| ● MAX4373FESA+ | High Side Micropower 1 AMP 2.2 nA NSOIC 8 Pins | 73Y4060 | 2.79 |
| ● MAX4378FASD+ | High Side Precision 4 AMP 120 uA NSOIC 14 Pins | 73Y4087 | 2.84 |
| ● MAX4428HAUT+T | High Precision 1 AMP 2 nA SOT-23 6 Pins | 73Y4148 | 1.74 |
| ● MAX9922EUB+T | High Side Ultra Precision 1 AMP 0.001 nA uMAX 10 Pins | 73Y6629 | 2.44 |
| ● MAX9923TEUB+ | High Side Ultra Precision 1 AMP 0.001 nA uMAX 10 Pins | 73Y6631 | 2.99 |
| ● MAX9929FABT+T | Uni /Bidirectional 1 AMP 1.6 uA UCSP 6 Pins | 73Y6638 | 1.50 |
| ● MAX9934FAUA+ | High Precision 1 AMP 0.1 nA uMAX 8 Pins | 73Y6645 | 2.30 |
| ● MAX9938FEUK+T | High Side Precision 1 AMP 200 nA SOT-23 5 Pins | 73Y6650 | 1.16 |
| ● MAX9938HEUK+T | High Side Precision 1 AMP 200 nA SOT-23 5 Pins | 73Y6651 | 1.07 |
| Instrument | | | |
| ● MAX4208UAU+ | Precision 1 AMP 20 uV 80 V/ms 750 kHz | 73Y3966 | 3.20 |
| Operational | | | |
| ● ICL7611BCPA+ | Rail to Rail Input 1.4 MHz 1 AMP 1.6 V/us | 73Y1754 | 4.90 |
| ● MAX4094SD+ | Micropower Rail to Rail Output 500 kHz 4 AMP 0.2 V/us | 73Y3905 | 2.83 |
| ● MAX4132EUA+ | Rail to Rail Output 10 MHz 2 AMP 4 V/us | 73Y3930 | 4.17 |
| ● MAX4163ESA+T | Micropower Rail to Rail I/O 200 kHz 2 AMP 115 V/ms | 73Y3932 | 2.75 |
| ● MAX4234AUD+ | Rail to Rail Output 10 MHz 4 AMP 10 V/us | 73Y4000 | 2.04 |
| ● MAX4332ESA+ | Rail to Rail I/O 3 MHz 2 AMP 1.5 V/us | 73Y4049 | 3.20 |
| ● MAX4392EUA+ | Rail to Rail Output 85 MHz 2 AMP 500 V/us | 73Y4100 | 1.80 |
| ● MAX4424ASA+ | Precision Rail to Rail Output 5 MHz 2 AMP 3.8 V/us | 73Y4122 | 2.72 |
| ● MAX4428ASA+ | Rail to Rail Output Ultra Precision 1 MHz 2 AMP 0.7 V/us | 73Y4124 | 2.63 |
| ● MAX44252ASD+ | Rail to Rail Output Ultra Precision 10 MHz 4 AMP 8 V/us | 73Y4131 | 3.64 |
| ● MAX4450EUK+T | Rail to Rail Output 210 MHz 1 AMP 485 V/us | 73Y4156 | 2.00 |
| ● MAX4490AU+ | Rail to Rail I/O 10 MHz 1 AMP 10 V/us | 73Y4195 | 1.22 |
| ● MAX952ESA+ | Op Amp + Comparator + Reference 125 kHz 1 AMP 66 V/ms | 73Y4648 | 4.20 |
| ● MAX9945AUA+ | MOS Input 3 MHz 1 AMP 2.2 V/us uMAX | 73Y6661 | 1.92 |

INTERSIL - AMPLIFIER SELECTION



| Mfg. Part No. | Description | Stock No. | Price Each 1-9+ |
|----------------------|-----------------------|-----------|--------------------|
| Buffers-Video | | | |
| ● HA9P5002-9Z | 110MHz, SOIC-8 | 01M5053 | 12.06 |
| ● HA9P5002-5Z | SIGNAL, 110MHz, SOIC8 | 57K3742 | 8.51 |

► CONTINUED ►

1 AMPLIFIERS

INTERSIL - AMPLIFIER SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Price Each 1-9+ |
|--------------------------|-------------------------------|-----------|--------------------|
| Instrument | | | |
| ● ISL28533FVZ | 3MHz, 100dB, TSSOP-14 | 09X6528 | --- |
| ● ISL28534FVZ | 3MHz, 100dB, TSSOP-14 | 09X6533 | --- |
| ● ISL28633FVZ | 3MHz, 100dB, TSSOP-14 | 09X6538 | --- |
| ● ISL28634FVZ | 3MHz, 100dB, TSSOP-14 | 09X6543 | --- |
| Operational | | | |
| ● ISL2890FUZ-T7 | 170MHz, 2 Amplifiers, MSOP-10 | 32M9088 | 1.56 |
| ● CA3130AMZ | 15MHz, 30V/uS, SOIC-8 | 57K3016 | 4.87 |
| ● CA3140AEZ | 4.5MHz, 9V/uS, DIP-8 | 57K3020 | 2.42 |
| ● CA3140AMZ | 4.5MHz, 9V/uS, SOIC-8 | 57K3021 | --- |
| ● CA3140EZ | 4.5MHz, 9V/uS, DIP-8 | 57K3023 | 2.76 |
| ● CA3140MZ | 4.5MHz, 9V/uS, SOIC-8 | 57K3024 | 2.51 |
| ● CA3240AEZ | 4.5MHz, 9V/uS, DIP-8 | 57K3025 | 4.27 |
| ● CA3240EZ | 4.5MHz, 9V/uS, DIP-8 | 57K3026 | 2.54 |
| ● CA3260EZ | 4MHz, 10V/uS, DIP-8 | 57K3027 | 5.09 |
| ● ICL7611DCBAZ | 1.4MHz, 1.6V/uS, SOIC-8 | 57K3880 | 1.21 |
| ● ICL7621DCPAZ | 480kHz, 1.6V/uS, DIP-8 | 57K3887 | 2.96 |
| ● ICL7650SCPA-1Z | 2MHz, 2.5V/uS, DIP-8 | 57K3888 | 7.07 |
| ● ISL28194FHZ-T7 | 3.5 kHz, 1.2 V/uS, SOT-23-6 | 65T7098 | --- |
| ● HA3-2525-SZ | 20MHz, 120V/uS, DIP-8 | 79K6745 | 7.77 |
| ● CA3130EZ | 15MHz, 30V/uS, 8mV, DIP8 | 80K5721 | 2.86 |
| ● CA3420EZ | 500kHz, 0.5V/uS, DIP-8 | 80K5723 | 5.38 |
| Programmable Gain | | | |
| ● HFA1112IBZ | 850MHz, SOIC-8 | 79K6797 | --- |
| Sample and Hold | | | |
| ● HA9P5320-SZ | 2MHz, 1 uS, SOIC-16 | 79K6756 | 21.44 |

PIM_5576407

MICROCHIP - AMPLIFIER SELECTION



Microchip's linear portfolio features high performing operational amplifier (op amp) technology that offers industry leading offset voltage and quiescent current specifications. Offering a selection of General Purpose, Precision and Zero Drift amplifiers. Microchips operational amplifiers are suited to a wide range of applications.

| Mfg. Part No. | Description | Stock No. | Price Each 1-24+ |
|--|--|-----------|---------------------|
| General Purpose Amplifier | | | |
| ● MCP602-I/P | Dual 2.8 MHz 2 AMP 2.3 V/us DIP 8 Pins | 12C1812 | 0.57 |
| ● MCP602-I/SN | Dual 2.8 MHz 2 AMP 2.3 V/us SOIC 8 Pins | 12C1813 | 0.57 |
| ● MCP6184-E/SL | Quad 5.5 MHz 4 AMP 5 V/us 3.SOIC 14 Pins | 31W8846 | --- |
| ● MCP6001UT-I/OT | Single 1 MHz 1 AMP 0.6 V/us SOT-23 5 Pins | 61H5135 | 0.22 |
| ● MCP6H02-E/SN | Dual 1.2 MHz 2 AMP 0.8 V/us SOIC 8 Pins | 65R5506 | --- |
| ● MCP6001T-I/OT | Single 1 MHz 1 AMP 0.6 V/us SOT-23 5 Pins | 72C4269 | 0.24 |
| Low Power Amplifier | | | |
| ● MCP6004-I/P | Quad 1 MHz 4 AMP 0.6 V/us DIP 14 Pins | 61K2951 | 0.44 |
| ● MCP6002-I/SN | Dual 1 MHz 2 AMP 0.6 V/us SOIC 8 Pins | 63K5672 | 0.28 |
| ● MCP6002T-I/MS | Dual 1 MHz 2 AMP 0.6 V/us MSOP 8 Pins | 72C4273 | 0.28 |
| ● MCP6004-I/SL | Quad 1 MHz 4 AMP 0.6 V/us SOIC 14 Pins | 72C4276 | 0.44 |
| ● MCP6231T-E/OT | Single 300 kHz 1 AMP 0.15 V/us SOT-23 5 Pins | 84R5187 | --- |
| ● MCP6293T-E/CH | Single 10 MHz 1 AMP 7 V/us SOT-23 6 Pins | 89K2103 | --- |
| ● MCP6002-I/P | Dual 1 MHz 2 AMP 0.6 V/us DIP 8 Pins | 96K3734 | 0.33 |
| Low Quiescent Current Amplifier | | | |
| ● MCP6041T-E/OT | Single 14 kHz 1 AMP 0.003 V/us SOT-23 5 Pins | 56J7426 | --- |
| ● MCP6041T-I/OT | Single 14 kHz 1 AMP 0.003 V/us SOT-23 5 Pins | 92C4213 | 0.50 |
| Precision Amplifier | | | |
| ● MCP6074-E/SL | Quad 1.2 MHz 4 AMP 0.5 V/us SOIC 14 Pins | 07P9554 | --- |
| ● MCP6024-I/SL | Quad 10 MHz 4 AMP 7 V/us SOIC 14 Pins | 61K2953 | --- |
| ● MCP6024-I/P | Quad 10 MHz 4 AMP 7 V/us DIP 14 Pins | 73K1004 | 1.91 |
| ● MCP6021T-E/OT | Single 10 MHz 1 AMP 7 V/us SOT-23 5 Pins | 84R5185 | 0.83 |
| ● MCP6022-E/SN | Dual 10 MHz 2 AMP 7 V/us SOIC 8 Pins | 88H9881 | --- |
| ● MCP6022-I/P | Dual 10 MHz 2 AMP 7 V/us DIP 8 Pins | 96K3737 | 1.31 |
| Rail to Rail Amplifier | | | |
| ● MCP6L71T-E/SN | Single 2 MHz 1 AMP 0.9 V/us SOIC 8 Pins | 08R1824 | --- |
| ● MCP6L72T-E/MS | Dual 2 MHz 2 AMP 0.9 V/us MSOP 8 Pins | 08R1825 | --- |
| ● MCP6L92T-E/MS | Dual 10 MHz 2 AMP 7 V/us MSOP 8 Pins | 08R1833 | --- |
| ● MCP6284-E/ST | Quad 5 MHz 4 AMP 2.5 V/us TSSOP 14 Pins | 68H9408 | --- |
| Zero Drift Amplifier | | | |
| ● MCP6V71T-E/OT | Single 2 MHz 1 AMP 1 V/us SOT-23 5 Pins | 46Y1746 | 0.66 |
| ● MCP6V71UT-E/LTY | Single 2 MHz 1 AMP 1 V/us SC-70 5 Pins | 46Y1747 | --- |
| ● MCP6V81T-E/OT | 5 MHz 1 AMP 4 V/us SOT-23 5 Pins | 52Y5455 | 1.23 |
| ● MCP6V62-E/MS | 1 MHz 2 AMP 0.45 V/us MSOP 8 Pins | 55Y3299 | --- |
| ● MCP6V64-E/ST | 1 MHz 4 AMP 0.45 V/us TSSOP 14 Pins | 55Y3302 | 2.84 |
| ● MCP6V72-E/MS | 2 MHz 2 AMP 1 V/us MSOP 8 Pins | 55Y3304 | --- |

MICROCHIP - AMPLIFIER SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Price Each 1-24+ |
|-----------------------------|--|-----------|---------------------|
| Zero Drift Amplifier | | | |
| ● MCP6V74-E/ST | 2 MHz 4 AMP 1 V/us TSSOP 14 Pins | 55Y3307 | 2.93 |
| ● MCP6V91T-E/OT | 10 MHz 1 AMP 9.5 V/us SOT-23 5 Pins | 68Y6963 | 0.84 |
| ● MCP6V82-E/MS | Zero Drift 5 MHz 2 AMP 4 V/us MSOP 8 Pins | 72Y1409 | 1.14 |
| ● MCP6V84-E/ST | Zero Drift 5 MHz 4 AMP 4 V/us TSSOP 14 Pins | 72Y1412 | 0.91 |
| ● MCP6V92-E/MS | Zero Drift 10 MHz 2 AMP 9.5 V/us MSOP 8 Pins | 72Y1414 | 2.13 |

PIM_5564616

ANALOG DEVICES - ANALOG TO DIGITAL CONVERTER SELECTION



AHEAD OF WHAT'S POSSIBLE™

Analog Devices offers the industry's largest A/D converter portfolio. These converters enable reliable conversion performance with product performance, power, and cost in mind.

| Mfg. Part No. | Description | Stock No. | Price Each 1-4+ |
|-------------------------------|------------------------------|-----------|--------------------|
| High Speed - Pipelined | | | |
| ● AD9643BCPZ-210 | 14 bit 210 MSPS Single LFCSP | 45T0269 | --- |
| ● AD9244BSTZ-40 | 14 bit 40 MSPS Single LQFP | 59K7228 | --- |
| ● AD9252ABCZ-50 | 14 bit 50 MSPS Single LFCSP | 70R1868 | --- |
| ● AD7821KRZ | 8 bit 1 MSPS Single WSOIC | 88H0035 | --- |

Multipurpose ADC

| | | | |
|--------------|-------------------------------------|---------|-----|
| ● AD9224ARSZ | 12 bit 40 MSPS Single SSOP | 19M8939 | --- |
| ● AD1674JNZ | Dual 12 bit 100 kSPS Dual (+/-) DIP | 59K3408 | --- |
| ● AD9221ARZ | 12 bit 1.5 MSPS Single SOIC | 59K7161 | --- |

Precision

| | | | |
|--------------|--|---------|-----|
| ● AD7761BSTZ | 8-CH Sigma-Delta 16 bit 256 kSPS Single LQFP | 84Y7158 | --- |
|--------------|--|---------|-----|

Precision - SAR

| | | | |
|----------------------|---|---------|-------|
| ● AD574AKD | Dual 12 bit Dual (+/-) DIP | 05F7019 | --- |
| ● AD7949BCPZ | 14 bit 250 kSPS Single LFCSP | 11N8865 | --- |
| ● AD7663ASTZ | 16 bit 250 kSPS Single LQFP | 19M8844 | --- |
| ● AD7991YRJZ-0500RL7 | 12 bit 140 kSPS Single SOT-23 | 29X6641 | --- |
| ● AD7982BRMZ | 18 bit 1 MSPS Single MSOP | 34M5046 | --- |
| ● AD7091R-BRUZ | Ultralow Power 12 bit 22.22 kSPS Single TSSOP | 55Y8410 | --- |
| ● AD7609BSTZ | 18 bit 250 kSPS Single LQFP | 58T8900 | --- |
| ● AD574AJNZ | Dual 12 bit Dual (+/-) DIP | 59K4311 | 44.64 |
| ● AD7621ASTZ | 16 bit 3 MSPS Single LQFP | 59K5111 | --- |
| ● AD7676ASTZ | 16 bit 500 kSPS Single LQFP | 59K5190 | --- |
| ● AD7686BRMZ | SAR 16 bit 500 kSPS Single MSOP | 59K5246 | --- |
| ● AD7863ARSZ-10 | 14 bit 175 kSPS Single SSOP | 59K5733 | --- |
| ● AD7899ARSZ-1 | 14 bit 400 kSPS Single SSOP | 59K5933 | --- |
| ● AD7938BSUZ | 12 bit 1.5 MSPS Single TQFP | 59K6045 | --- |
| ● AD7476ABKSZ-REEL7 | 12 bit 1 MSPS Single SC-70 | 67W3174 | --- |
| ● AD7680ARJZ-REEL7 | 16 bit 100 kSPS Single SOT-23 | 67W3175 | --- |
| ● AD7606BSTZ | 16 bit 200 kSPS Single LQFP | 76R7614 | --- |
| ● AD7859ASZ | 12 bit 200 kSPS Single PQFP | 88H0050 | --- |

Precision - Sigma Delta

| | | | |
|--------------------|---|---------|-------|
| ● AD7710SQ | 24 bit Single DIP | 09B5890 | --- |
| ● AD7763BSVZ | 24 bit 625 kSPS Single TQFP | 12M8933 | --- |
| ● AD7705BNZ | 16 bit 500 SPS DIP | 19M0890 | --- |
| ● AD7734BRUZ | 24 bit 15.4 kSPS Single TSSOP | 19M8852 | --- |
| ● AD7190BRUZ | 24 bit 4.8 kSPS Single TSSOP | 34P3182 | 10.59 |
| ● AD7177-2BRUZ | Sigma-Delta 32 bit 10 kSPS Single TSSOP | 44Y6986 | --- |
| ● AD7124-4BCPZ | Sigma-Delta 24 bit 19.2 kSPS Single Dual (+/-) | 50Y1692 | --- |
| ● AD7172-4BCPZ | Sigma-Delta 24 bit 31.25 kSPS Single LFCSP | 50Y1698 | --- |
| ● AD7705BRUZ | 16 bit 500 SPS Single 3.TSSOP | 59K5279 | --- |
| ● AD7714ANZ-5 | 24 bit 1 kSPS Single DIP | 59K5322 | --- |
| ● AD7738BRUZ | 24 bit 15.437 kSPS Single TSSOP | 59K5398 | --- |
| ● AD7768BSTZ | 8-CH 24 bit 256 kSPS Single Dual (+/-) LQFP | 80Y2220 | --- |
| ● EVAL-AD7175-8SDZ | EVALUATION BOARD, SIGMA-DELTA ADC | 80Y2817 | --- |
| ● EVAL-AD7768FM CZ | EVALUATION BOARD, SIGMA-DELTA ADC | 80Y2818 | --- |
| ● AD7175-8BCPZ-RL7 | Sigma-Delta 24 bit 250 kSPS Single Dual (+/-) LFCSP | 80Y5865 | --- |

Syncro/Resolver to Digital Converters

| | | | |
|-----------|-----------------------|---------|-----|
| AD2S80AJD | 16 bit Dual (+/-) DIP | 05F6700 | --- |
|-----------|-----------------------|---------|-----|

PIM_5576414

TEXAS INSTRUMENTS - ANALOG TO DIGITAL CONVERTER SELECTION



Authorized Distributor

Texas Instruments range of analog to digital converters include precision and high speed ADC's with resolutions from 8 to 32 bits.

► CONTINUED ►

ANALOG-TO-DIGITAL CONVERTERS

1

TEXAS INSTRUMENTS - ANALOG TO DIGITAL CONVERTER SELECTION
(CONT.)

| Mfg. Part No. | Description | Stock No. | Price Each 1-9+ |
|--|-----------------------------------|-----------|--------------------|
| AEC-Q100 Qualified, Precision ADC | | | |
| ADS1018QDGSRQ1 | 4-CH 12 bit 3.3 kSPS Single VSSOP | 78Y9386 | --- |
| ADS1118QDGSRQ1 | 4-CH 16 bit 860 SPS Single VSSOP | 78Y9387 | 2.79 |
| High Speed ADC | | | |
| ADS5547IRGZT | 14 bit 210 MSPS Single QFN | 21M9195 | --- |
| ADS8320E/250 | 16 bit 100 kSPS Single VSSOP | 35C1581 | --- |
| Low Noise, Precision, Sigma Delta ADC | | | |
| ADS1256IDBT | 24 bit 30 kSPS Single SSOP | 73H4119 | 16.60 |
| ADS1255IDBR | 24 bit 30 kSPS Single SSOP | 86W5953 | --- |
| Low Power, High Speed ADC | | | |
| ADC3442EVM | EVALUATION BOARD | 38Y6595 | 38.13 |
| ADC34J21RGZ25 | 12 bit 50 MSPS Single VQFN | 52Y0789 | --- |
| ADC3421EVM | EVALUATION BOARD, 12BIT ADC | 58Y6060 | 38.13 |
| ADC3421IRTQ25 | 4-CH 12 bit 25 MSPS Single VQFN | 78Y8966 | --- |
| ADC3422IRTQ25 | 4-CH 12 bit 50 MSPS Single VQFN | 78Y8967 | --- |
| ADC3423IRTQ25 | 4-CH 12 bit 80 MSPS Single VQFN | 78Y8968 | --- |
| ADC3424IRTQ25 | 4-CH 12 bit 125 MSPS Single VQFN | 78Y8969 | --- |
| ADC3441IRTQ25 | 4-CH 14 bit 25 MSPS Single VQFN | 78Y8970 | --- |
| ADC3442IRTQ25 | 4-CH 14 bit 50 MSPS Single VQFN | 78Y8971 | --- |
| ADC3443IRTQ25 | 4-CH 14 bit 80 MSPS Single VQFN | 78Y8972 | --- |
| ADC3444IRTQ25 | 4-CH 14 bit 125 MSPS Single VQFN | 78Y8973 | --- |
| Low Power, Precision ADC | | | |
| 430B00ST-ADS1118 | EVALUATION BOARD, ADC | 11X5260 | 24.16 |
| ADS1118IDGST | 16 bit 860 SPS Single VSSOP | 57T9643 | --- |
| ADS8325IBDGKT | 16 bit 100 kSPS Single VSSOP | 80K5561 | 17.74 |
| Low Power, Precision SAR ADC | | | |
| ADCS7476AIMF/NOPB | 12 bit 1 MSPS Single SOT-23 | 41K1406 | --- |
| ADC104S021CIMM/NOPB | 10 bit 200 kSPS Single SOP | 41K1538 | 1.38 |
| ADC122S021CIMM/NOPB | 12 bit 200 kSPS Single SOP | 41K1597 | 1.36 |
| Medical Front End ADC | | | |
| ADS1298RIZXGT | 24 bit 32 kSPS Single NFBGA | 32T2533 | --- |
| Precision, Sigma Delta ADC | | | |
| ADS1248IPW | 24 bit 2 kSPS Single TSSOP | 05R0320 | --- |
| ADS1274IPAPT | 24 bit 144 kSPS Single HTQFP | 28X4190 | --- |
| ADS1274IPART | 24 bit 144 kSPS Single HTQFP | 50M8809 | 27.43 |
| ADS1278IPAPT | 24 bit 144 kSPS Single QFP | 50M8811 | 36.10 |
| ADS1262IPW | 32 bit 38.4 kSPS Dual (+/-) TSSOP | 51Y6160 | --- |
| ADS1263IPW | 32 bit 38.4 kSPS Dual (+/-) TSSOP | 53Y0369 | --- |
| ADS1258IRTCT | 24 bit 125 kSPS Single VQFN | 63K4828 | --- |
| Precision ADC | | | |
| ADS1115IDGST | 16 bit 860 SPS Single VSSOP | 28X4185 | --- |
| Precision Analog-to-Digital Converter with 8051 Microcontroller | | | |
| MSC1210Y5PAGT | 24 bit 1 kSPS Single TQFP | 75C3980 | --- |
| Precision SAR ADC | | | |
| ADS8507IBDW | 16 bit 40 kSPS Single SOIC | 26M8851 | 19.31 |
| TC2543CDW | 12 bit 66 kSPS Single SOIC | 36K7646 | --- |
| ADS8505IBDW | 16 bit 250 kSPS Single SOIC | 63K4845 | --- |
| ADS7828E/250 | 12 bit 50 kSPS Single TSSOP | 74C7158 | 6.84 |
| ADS7828EB/250 | 12 bit 50 kSPS Single TSSOP | 74C7160 | 4.69 |
| Pseudo Diff Input, Precision ADC | | | |
| ADS8326IDGKT | 16 bit 250 kSPS Single VSSOP | 28X4199 | --- |
| Self Calibrating, Precision ADC | | | |
| LM12H458CIV/NOPB | 13 bit 182 kSPS Single LCC | 41K3492 | --- |
| ADS1112IDGST | 16 bit 240 SPS Single VSSOP | 73H4116 | --- |
| PIM_5576433 | | | |

LINEAR TECHNOLOGY - ANALOG TO DIGITAL CONVERTER SELECTION



Linear Technology offers a complete family of high performance analog to digital converter products, including 16-bit to 24-bit delta sigma converters for precision measurements, up to 16-bit high-speed pipeline ADCs for communications and 8-bit to 20-bit low power successive approximation register (SAR) analog to digital converter for everything in between.

| Mfg. Part No. | Description | Stock No. | Price Each 1-24+ |
|--|-------------------------------------|-----------|---------------------|
| LTC1290 - Single Chip 12-Bit Data Acquisition System | | | |
| LTC1290CN#PBF | Octal 12 bit 50 kSPS Dual (+/-)-DIP | 56M0096 | --- |
| LTC129x - Single Chip 12-Bit Data Acquisition System | | | |
| LTC1292CCN8#PBF | 12 bit 60 kSPS Single DIP | 56M0139 | --- |
| LTC1294CCN#PBF | 12 bit 46.5 kSPS Single DIP | 56M0172 | --- |
| LTC1402 - Serial 12-Bit, 2.2Msps Sampling ADC with Shutdown | | | |
| LTC1402CGN#PBF | 12 bit 2.2 MSPS Single SSOP | 28M8968 | --- |

► CONTINUED ►

LINEAR TECHNOLOGY - ANALOG TO DIGITAL CONVERTER SELECTION
(CONT.)

| Mfg. Part No. | Description | Stock No. | Price Each 1-24+ |
|---|---|-----------|---------------------|
| LTC1608 - High Speed, 16-Bit, 500ksps Sampling A/D Converter with Shutdown | | | |
| LTC1608CG#PBF | 16 bit 500 kSPS Single SSOP | 56M2631 | --- |
| LTC1859 - 8-Channel, 16-Bit, 100ksps SoftSpan A/D Converters with Shutdown | | | |
| LTC1859CG#PBF | 16 bit 100 kSPS Single SSOP | 56M4002 | --- |
| LTC1859IG#PBF | 16 bit 100 kSPS Single SSOP | 56M4006 | --- |
| LTC1863 - 12-Bit, 8-Channel 200ksps ADCs | | | |
| LTC1863LIGN#PBF | Octal 12 bit 175 kSPS Single SSOP | 56M4086 | --- |
| LTC1864 - µPower, 16-Bit, 250ksps 1- and 2-Channel ADCs in SOIC | | | |
| LTC1864CS8#PBF | 16 bit 250 kSPS Single SOIC | 56M4110 | --- |
| LTC1867 - 16-Bit, 8-Channel 200ksps ADCs | | | |
| DC806A | LTC1867 Dev Kit ADC | 08W0136 | --- |
| LTC1867ACGN#PBF | Octal 16 bit 200 kSPS Single SSOP | 56M4218 | --- |
| LTC220x - High Speed, 16-Bit, ADC | | | |
| LTC2203CUK#PBF | 16 bit 25 MSPS Single QFN | 56M4816 | --- |
| LTC2203IUK#PBF | 16 bit 25 MSPS Single QFN | 56M4820 | --- |
| LTC2207IUK#PBF | 16 bit 105 MSPS Single QFN | 56M4876 | --- |
| LTC2249 - 14-Bit, 80Msps Low Power 3V ADC | | | |
| LTC2249UH#PBF | 14 bit 80 MSPS Single QFN | 56M5162 | --- |
| LTC2284 - Dual 14-Bit, 105Msps Low Power 3V ADC | | | |
| LTC2284IUP#PBF | 14 bit 105 MSPS Single QFN | 56M5250 | --- |
| LTC2311 - Differential Input ADC with Wide Input Common Mode Range | | | |
| LTC2311CMSE-14#PBF | SAR 14 bit 5 MSPS Single MSOP | 90Y9301 | 4.23 |
| LTC2311CMSE-16#PBF | SAR 16 bit 5 MSPS Single MSOP | 90Y9302 | --- |
| LTC2311HMSE-14#PBF | SAR 14 bit 5 MSPS Single MSOP | 90Y9303 | 5.60 |
| LTC2311HMSE-16#PBF | SAR 16 bit 5 MSPS Single MSOP | 90Y9304 | --- |
| LTC2311IMSE-14#PBF | SAR 14 bit 5 MSPS Single MSOP | 90Y9305 | --- |
| LTC2311IMSE-16#PBF | SAR 16 bit 5 MSPS Single MSOP | 90Y9306 | --- |
| LTC2314 - 14-Bit, 4.5Msps Serial Sampling ADC | | | |
| LTC2314CTS8-14#TRMPBF | 14 bit 4.5 MSPS Single TSOT-23 | 72W4001 | --- |
| LTC2368 - 18-Bit, 1Msps, Pseudo-Differential Unipolar SAR ADC | | | |
| LTC2368CMS-16#PBF | 18 bit 1 MSPS Single MSOP | 82T3881 | --- |
| LTC237x - Low Power SAR ADC | | | |
| LTC2379CMS-16#PBF | 18 bit 1.6 MSPS Single MSOP | 59T5449 | --- |
| LTC2377CMS-20#PBF | 20 bit 500 kSPS Single MSOP | 94W8381 | --- |
| LTC2378CDE-20#PBF | 20 bit 1 MSPS Single DFN | 94W8387 | --- |
| LTC2380 - 2 Msps, Low Power SAR ADC | | | |
| LTC2380IMS-24#PBF | Low Power SAR 24 bit 2 MSPS Single MSOP | 70Y5360 | --- |
| LTC2380 - Low Power SAR ADC | | | |
| LTC2380IDE-24#PBF | Low Power SAR 24 bit 2 MSPS Single DFN | 70Y5358 | --- |
| LTC23xx - 8-Channel Differential Input SoftSpan ADC | | | |
| DC2094-A | LTC2348-18 Dev Kit ADC | 49Y1626 | --- |
| LTC2348HLX-18#PBF | Octal 18 bit 200 kSPS Single LQFP | 49Y1636 | --- |
| LTC2348CLX-16#PBF | 16 bit 200 kSPS Single LQFP | 66Y7060 | --- |
| LTC2335CLX-16#PBF | 8-CH 16 bit 1 MSPS Single LQFP | 78Y0576 | --- |
| LTC2335CLX-18#PBF | 8-CH 18 bit 1 MSPS Single LQFP | 78Y0577 | --- |
| LTC2335HLX-18#PBF | 8-CH 16 bit 1 MSPS Single LQFP | 78Y0578 | --- |
| LTC2335ILX-16#PBF | 8-CH 18 bit 1 MSPS Single LQFP | 78Y0579 | --- |
| LTC2335ILX-18#PBF | 8-CH 16 bit 1 MSPS Single LQFP | 78Y0580 | --- |
| LTC2335ILX-18#PBF | 8-CH 18 bit 1 MSPS Single LQFP | 78Y0581 | --- |
| LTC2345CUK-16#PBF | 16 bit 200 kSPS Single QFN | 79Y6220 | --- |
| DC2412A-B | LTC2335-16 Dev Kit ADC | 80Y5788 | --- |
| LTC2400 - µPower No Latency Delta-Sigma ADC | | | |
| LTC2400IS#PBF | 24 bit 7.5 SPS Single SOIC | 56M5404 | --- |
| LTC2413 - No Latency Delta Sigma ADCC | | | |
| LTC2413CGN#PBF | 24 bit 6.9 SPS Single SSOP | 56M5472 | --- |
| LTC2440 - High Speed Differential Delta Sigma ADC | | | |
| LTC2440IGN#PBF | 24 bit 3.5 kSPS Single SSOP | 56M5612 | --- |
| PIM_5576418 | | | |

MAXIM - ANALOG TO DIGITAL CONVERTER SELECTION



| Mfg. Part No. | Description | Stock No. | Tape Cut 1-9+ |
|---------------------------------------|--|-----------|------------------|
| High Speed, Low Power, SAR ADC | | | |
| MAX1105AUT+T | High Speed 12 bit 2 MSPS Single SOT-23 | 73Y1892 | 3.96 |
| High Speed, SAR ADC | | | |
| MAX125CEAX+D | 14 bit 250 kSPS Dual (+/-) SSOP | 73Y2043 | 27.74 |

► CONTINUED ►

1 ANALOG-TO-DIGITAL CONVERTERS

MAXIM - ANALOG TO DIGITAL CONVERTER SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Tape Cut 1-9+ |
|---|---|-----------|------------------|
| Low Power, SAR ADC | | | |
| MAX1112CAP+ | Low Power 8 bit 50 kSPS Single SSOP | 73Y1896 | 4.27 |
| MAX1112EAP+ | Low Power 8 bit 50 kSPS Single SSOP | 73Y1898 | 6.06 |
| MAX1162BEUB+ | 10uA Shutdown 16 bit 200 kSPS Single uMAX | 73Y1952 | 20.79 |
| Low Power ADC | | | |
| MAX1117EKA-T | Low Power 8 bit 100 kSPS Single SOT-23 | 73Y1907 | 2.44 |
| MAX11617EEE+ | Low Power 12 bit 94.4 kSPS Single QSOP | 73Y1949 | 6.58 |
| MAX1239KEEE+ | Low Power 12 bit 94.4 kSPS Single QSOP | 73Y2022 | 10.74 |
| Micro-Processor Compatible SAR ADC | | | |
| MAX160EWN+ | 8 bit 250 kSPS Single WSOIC | 73Y2425 | 16.20 |
| Multirange, Serial ADC | | | |
| MAX127AEAI+ | Fault Tolerant 12 bit 8 kSPS Single SSOP | 73Y2051 | 27.34 |
| MAX128BCNG+ | Fault Tolerant 12 bit 8 kSPS Single DIP | 73Y2065 | 21.77 |
| Serial ADC | | | |
| MAX132EWG+ | 18 bit 100 SPS Dual (+/-) WSOIC | 73Y2128 | 18.03 |
| Serial ADC with Digital Interface | | | |
| MAX1202ACAP+ | 12 bit 133 kSPS Dual (+/-) SSOP | 73Y1993 | 14.44 |
| MAX1203BCAP+ | 12 bit 133 kSPS Dual (+/-) SSOP | 73Y1996 | 19.61 |
| MAX1203BEAP+ | 12 bit 133 kSPS Dual (+/-) SSOP | 73Y1997 | 16.53 |
| Sigma Delta ADC | | | |
| MAX1416EPE+ | Low Power 16 bit 500 SPS Single DIP | 73Y2196 | 9.98 |

PIM_5576424

INTERSIL - ANALOG TO DIGITAL CONVERTER SELECTION



| Mfg. Part No. | Description | Stock No. | Price Each 1-4+ |
|---------------|---|-----------|--------------------|
| HIS-574AKN-5Z | Dual, 12 bit, 40 kSPS, Dual (+/-), -11.4 V, 16.5 V, DIP | 57K3841 | --- |
| ICL7107CM44Z | Dual, 3.5 bit, 3 SPS, Dual (+/-), -5 V, 5 V, MQFP | 57K3876 | --- |
| ICL7106CPLZ | Dual, 3.5 bit, 3 SPS, Dual (+/-), -5 V, 5 V, DIP | 61J6191 | 9.59 |
| ICL7107CPLZ | Dual, 3.5 bit, 3 SPS, Dual (+/-), -5 V, 5 V, DIP | 61J6192 | 9.59 |
| ICL7135CP1Z | 4.5 bit, 2 SPS, 4V, -9 V, DIP | 61J6196 | 6.01 |
| ICL7136CPLZ | Dual, 3.5 bit, 3 SPS, Dual (+/-), -5 V, 5 V, DIP | 61J6197 | 7.95 |

PIM_5564612

MICROCHIP - ANALOG TO DIGITAL CONVERTER SELECTION



| Mfg. Part No. | Description | Stock No. | Price Each 1-24+ |
|--|------------------------------------|-----------|---------------------|
| Low power, High Performance ADC | | | |
| TC14433EPG | Dual 3.5 bit 25 SPS Dual (+/-) DIP | 85C0441 | --- |
| SAR ADC | | | |
| MCP3008-I/P | 10 bit 200 kSPS Single DIP | 19C7200 | 2.41 |
| MCP3008-I/SL | 10 bit 200 kSPS Single SOIC | 19C7201 | --- |
| MCP3008T-I/SL | 10 bit 200 kSPS Single SOIC | 19C7202 | 2.19 |
| MCP3201-CI/P | 12 bit 100 kSPS Single DIP | 19C7203 | 2.28 |
| MCP3204-CI/P | 12 bit 100 kSPS Single DIP | 19C7209 | 3.17 |
| MCP3208-BI/P | 12 bit 100 kSPS Single DIP | 23C2842 | 3.53 |
| MCP3304-BI/P | 13 bit 100 kSPS Single DIP | 40C2522 | 1.14 |
| MCP3208-CI/P | 12 bit 100 kSPS Single DIP | 58K1815 | 3.48 |
| MCP3002-I/P | 10 bit 200 kSPS Single DIP | 61K2948 | 1.79 |
| MCP3021A5T-E/OT | 10 bit 22.3 kSPS Single SOT-23A | 64T2461 | 1.14 |
| MCP3208-CI/SL | 12 bit 100 kSPS Single SOIC | 69K7605 | --- |
| MCP3202-CI/P | 12 bit 100 kSPS Single DIP | 72K2787 | 2.05 |
| MCP3221A5T-I/OT | 12 bit 22.3 kSPS Single SOT-23 | 92C2410 | 0.88 |

Sigma Delta ADC

| | | | |
|-----------------|-------------------------------|---------|------|
| MCP3428-E/SL | 16 bit 15 SPS Single SOIC | 52R9962 | --- |
| MCP3422A0-E/SN | 18 bit 3.75 SPS Single SOIC | 54M4863 | --- |
| MCP3424-E/SL | 18 bit 3.75 SPS Single SOIC | 54M4871 | --- |
| MCP3550-60E/SN | 22 bit 15 SPS Single SOIC | 69K0135 | --- |
| MCP3421A0T-E/CH | 18 bit 3.75 SPS Single SOT-23 | 77M2561 | 2.39 |
| MCP3425A0T-E/CH | 16 bit 15 SPS Single SOT-23 | 88M9948 | 2.17 |

PIM_5564605

ANALOG DEVICES - DIGITAL TO ANALOG CONVERTER SELECTION



AHEAD OF WHAT'S POSSIBLE™

Analog Devices' leading portfolio of DACs enable designers to create the robust designs they need in a range of industries and environments. ADI DACs are able to deliver performance and value by providing accurate and

► CONTINUED ►

ANALOG DEVICES - DIGITAL TO ANALOG CONVERTER SELECTION (CONT.)

reliable conversion for a range of applications including industrial automation, programmable logic controllers, optical transceivers, data acquisition, and more.

| Mfg. Part No. | Description | Stock No. | Price Each 1-4+ |
|-----------------------|--|-----------|--------------------|
| AD420 Series | | | |
| AD420ARZ-32 | 16 bit 400 SPS Serial SOIC 24 Pins | 19M0785 | --- |
| AD420ANZ-32 | 16 bit 400 SPS Serial DIP 24 Pins | 59K3523 | --- |
| AD421 Series | | | |
| AD421BNZ | 16 bit 125 SPS Serial DIP 16 Pins | 59K3526 | --- |
| AD5321 Series | | | |
| AD5321BRMZ | 12 bit 125 kSPS Serial SOP 8 Pins | 19M0810 | --- |
| AD5348 Series | | | |
| AD5348BRUZ | 12 bit 125 kSPS Parallel TSSOP 38 Pins | 59K4018 | --- |
| AD5421 Series | | | |
| AD5421ACPZ-REEL7 | 16 bit Serial LFCSP 32 Pins | 92T3206 | --- |
| AD5543 Series | | | |
| AD5543BRMZ | 16 bit Serial MSOP 8 Pins | 59K4215 | --- |
| AD5568 Series | | | |
| AD5568JNZ | 8 bit 1.25 MSPS Parallel DIP 16 Pins | 59K4249 | --- |
| AD5621 Series | | | |
| AD5621BKZ-REEL7 | 12 bit SC-70 6 Pins | 67W3162 | --- |
| AD5662 Series | | | |
| AD5662BRJZ-REEL7 | 16 bit 125 kSPS SOT-23 8 Pins | 67W3167 | --- |
| AD5675 Series | | | |
| AD5675RARUZ | 16 bit Serial TSSOP 20 Pins | 41Y8447 | --- |
| AD5675ARUZ | nanoDAC+ 16 bit Serial TSSOP 20 Pins | 53Y1146 | --- |
| AD5676 Series | | | |
| AD5676RARUZ | 16 bit Serial TSSOP 20 Pins | 41Y8449 | --- |
| AD5682R Series | | | |
| AD5682RBCPZ-RL7 | 14 bit Serial LFCSP 8 Pins | 45Y4105 | --- |
| AD569 Series | | | |
| AD569JNZ | 16 bit Parallel DIP 28 Pins | 59K4309 | --- |
| AD5726 Series | | | |
| AD5726VRZ-REEL | 12 bit Bipolar Unipolar SSOP 16 Pins | 67W3170 | --- |
| AD5761R Series | | | |
| AD5761RBRUZ | Bipolar / Unipolar 16 bit Serial TSSOP 16 Pins | 30Y5889 | --- |
| AD5761 Series | | | |
| AD5761ARUZ | 16 bit Serial TSSOP 16 Pins | 41Y8453 | --- |
| AD5791 Series | | | |
| AD5791BRUZ | 20 bit 1 MSPS Serial TSSOP 20 Pins | 85R6432 | --- |
| AD660 Series | | | |
| AD660ANZ | 16 bit 167 kSPS Serial DIP 24 Pins | 12M8703 | --- |
| AD664 Series | | | |
| AD664BD-BIP | 12 bit 125 kSPS DIP 28 Pins | 05F7168 | --- |
| AD7226 Series | | | |
| AD7226KNZ | 8 bit 143 kSPS Parallel DIP | 59K4578 | --- |
| AD7243 Series | | | |
| AD7243ANZ | 12 bit 300 kSPS Serial DIP 16 Pins | 59K4606 | --- |
| AD7548 Series | | | |
| AD7548KNZ | 12 bit Parallel DIP 20 Pins | 59K5041 | --- |
| AD9154 Series | | | |
| AD9154BCPZ | Quad 16 bit 2.4 GSPS Serial LFCSP 88 Pins | 44Y6991 | --- |
| DAC8043 Series | | | |
| DAC8043FPZ | 12 bit SerialDIP 8 Pins | 59K7920 | --- |
| DAC8512 Series | | | |
| DAC8512FPZ | 12 bit 62.5 kSPS SerialDIP 8 Pins | 19M8959 | --- |

PIM_5576416

TEXAS INSTRUMENTS - DIGITAL TO ANALOG CONVERTER SELECTION



| Mfg. Part No. | Description | Stock No. | Tape Cut 1-9+ |
|---------------------|--------------------------------------|-----------|------------------|
| DAC9881SRGET | 18 bit Serial QFN 24 Pins | 08P4020 | 25.83 |
| DAC8811EVM | DAC8811 Dev Kit DAC | 03K9072 | --- |
| DAC7311IDCKR | 12 bit 225 kSPS Serial SC-70 6 Pins | 08P4365 | --- |
| DAC8411DCKT | 16 bit 225 kSPS Serial SC-70 6 Pins | 09P8597 | --- |
| DAC122S085CIMM/NOPB | 12 bit Serial SOP 10 Pins | 12M9648 | --- |
| DAC124S085CIMM/NOPB | 12 bit Serial VSSOP 10 Pins | 12M9652 | 2.98 |
| TLV5630IPW | 12 bit 283 kSPS Serial TSSOP 20 Pins | 26C0858 | --- |
| DAC7571DBVT | 12 bit 50 kSPS Serial SOT-23 6 Pins | 32H5598 | --- |
| DAC7558IRHT | 12 bit 500 kSPS Serial QFN 32 Pins | 33K5130 | --- |

► CONTINUED ►

ANALOG-TO-DIGITAL CONVERTERS

1

TEXAS INSTRUMENTS - DIGITAL TO ANALOG CONVERTER SELECTION
(CONT.)

| Mfg. Part No. | Description | Stock No. | Tape Cut 1-9+ |
|-----------------------|--|-----------|------------------|
| ● DAC88301CD | 16 bit 1 MSPS Serial SOIC 8 Pins | 34M2210 | --- |
| ● DACT7611UB | 12 bit 132 kSPS Serial SOIC 8 Pins | 35C1628 | --- |
| ● DACT7714U | 12 bit 89 kSPS Serial SOIC 16 Pins | 35C1647 | --- |
| ● DAC811JU | 12 bit 250 kSPS Parallel SOIC 28 Pins | 35C1664 | --- |
| ● TLC6615CP | 10 bit 1.21 MSPS Serial DIP 8 Pins | 35K1220 | 3.71 |
| ● DAC0808LCN/NOPB | 8 bit Parallel DIP 16 Pins | 41K1769 | --- |
| ● DAC0832LCN/NOPB | 8 bit Parallel DIP 20 Pins | 41K1771 | --- |
| ● DAC8551IDGKT | 16 bit 200 kSPS Serial VSSOP 8 Pins | 52K5717 | 6.91 |
| ● DAC8718SRGZT | 16 bit Serial QFN 48 Pins | 60R2411 | --- |
| ● DAC128S085CIMT/NOPB | 12 bit Serial TSSOP 16 Pins | 64M6828 | --- |
| ● DAC121S101CIMK/NOPB | 12 bit Serial TSOT-23 6 Pins | 65K5283 | 1.29 |
| ● DACT712UK | 16 bit 100 kSPS Parallel WSOIC 28 Pins | 67C3271 | --- |
| DAC8562TEVM | DAC8562T Dev Kit DAC | 71Y8894 | --- |
| ● DAC8574IPW | 16 bit 43 kSPS Serial TSSOP 16 Pins | 72K7278 | --- |
| ● DAC8531E/250 | 16 bit 93 kSPS Serial MSOP 8 Pins | 72K8437 | --- |
| ● DAC8811BDGKT | 16 bit 2 MSPS Serial VSSOP 8 Pins | 73J8228 | --- |
| ● DACT716UK | 16 bit 86 kSPS Serial 16 Pins | 74C9148 | --- |
| ● DAC121C085CIMM/NOPB | 12 bit Serial VSSOP 8 Pins | 75M6027 | 0.92 |
| ● DACT714P | 16 bit 86 kSPS Serial DIP 16 Pins | 78K7952 | 33.62 |
| ● DACT563TDGSR | 2-CH 12 bit Serial VSSOP 10 Pins | 78Y9388 | --- |
| ● DAC8562TDGST | 2-CH 16 bit Serial VSSOP 10 Pins | 78Y9389 | --- |
| ● DAC8563TDGSR | 2-CH 16 bit Serial VSSOP 10 Pins | 78Y9390 | 4.36 |
| ● DACT7554IDGSG4 | 12 bit 1 MSPS Serial SOP 10 Pins | 81K1784 | --- |
| ● DACT7558RHBR | Octal 12 bit 500 kSPS Serial QFN 32 Pins | 86W5978 | --- |
| ● DAC5311IDCKR | 8 bit Serial SC-70 6 Pins | 87W8956 | --- |
| ● DACT7612U | 12 bit 130 kSPS Serial SOIC 8 Pins | 96K4485 | --- |

PIM_5576435

LINEAR TECHNOLOGY - DIGITAL TO ANALOG CONVERTER SELECTION

RoHS Compliant Available



Linear Technology offers a wide range of digital to analog converters (DACs) including voltage output DACs, multiplying DACs / current output DACs, high speed (current steering) DACs and special-function DACs. Resolutions offered range from 8-bit to industry leading 18-bit DACs, from single channel to higher density multichannel DACs with parallel, serial SPI or I2C interfaces.

| Mfg. Part No. | Description | Stock No. | Price Each 1-24+ |
|--|--|-----------|---------------------|
| LTC1257 - Complete Single Supply 12-Bit Voltage Output DAC | | | |
| ● LTC1257CN8#PBF | 12 bit Serial DIP 8 Pins | 55M9717 | --- |
| ● LTC1257CS8#PBF | 12 bit Serial SOIC 8 Pins | 55M9719 | --- |
| ● LTC1257IS8#PBF | 12 bit Serial SOIC 8 Pins | 55M9725 | --- |
| LTC1446 - Dual 12-Bit Rail-to-Rail Micropower DACs | | | |
| ● LTC1446CS8#PBF | 12 bit 500 kSPS Serial SOIC 8 Pins | 56M1283 | --- |
| LTC1451 - 12-Bit Rail-to-Rail Micropower DAC | | | |
| ● LTC1451CS8#PBF | 12 bit Serial SOIC 8 Pins | 56M1343 | --- |
| ● LTC1451IS8#PBF | 12 bit Serial SOIC 8 Pins | 56M1349 | --- |
| LTC1592 - 16-Bit SoftSpan DACs with Programmable Output Range | | | |
| ● LTC1592ACG#PBF | 16 bit Serial SSOP 16 Pins | 56M2279 | --- |
| LTC1595 - Serial 16-Bit Multiplying DACs | | | |
| ● LTC1595BCS8#PBF | 16 bit Serial SOIC 8 Pins | 56M2325 | --- |
| ● LTC1595CCS8#PBF | 16 bit Serial SOIC 8 Pins | 56M2337 | --- |
| LTC1597 - 16-Bit Parallel Low Glitch Multiplying DAC | | | |
| ● LTC1597-1ACG#PBF | 16 bit 50 kSPS Parallel SSOP 28 Pins | 56M2419 | --- |
| LTC1655 - 16-Bit Rail-to-Rail Micropower DAC | | | |
| ● LTC1655CN8#PBF | 16 bit Serial DIP 8 Pins | 56M2905 | --- |
| LTC1660 - Micropower Octal 10-Bit DACs | | | |
| ● LTC1660CGN#PBF | 10 bit Serial SSOP 16 Pins | 56M2987 | --- |
| ● LTC1660CN#PBF | 10 bit Serial DIP 16 Pins | 56M2991 | --- |
| LTC1668 - 16-Bit, 50Msps DAC | | | |
| ● LTC1668G#PBF | 16 bit 50 MSPS Parallel SSOP 28 Pins | 56M3099 | --- |
| LTC2000 - 16-/14-/11-Bit 2.5Gsp DACs | | | |
| ● LTC2000ACY-11#PBF | 11 bit 2.7 GSPS Parallel Serial BGA 170 Pins | 47Y5706 | --- |
| ● LTC2000ACY-14#PBF | 14 bit 2.7 GSPS Parallel Serial BGA 170 Pins | 47Y5707 | --- |
| ● LTC2000ACY-16#PBF | 16 bit 2.7 GSPS Parallel Serial BGA 170 Pins | 47Y5708 | --- |
| ● LTC2000AIY-11#PBF | 11 bit 2.7 GSPS Parallel Serial BGA 170 Pins | 47Y5709 | --- |
| ● LTC2000AIY-14#PBF | 14 bit 2.7 GSPS Parallel Serial BGA 170 Pins | 47Y5710 | --- |
| ● LTC2000AIY-16#PBF | 16 bit 2.7 GSPS Parallel Serial BGA 170 Pins | 47Y5711 | --- |
| LTC2632 - SPI VOUT DACs with 10ppm/°C Reference | | | |
| ● LTC2632HTS8-LZ1#TRPB | 12 bit Serial TSOT-23 8 Pins | 27T4183 | --- |
| LTC264x - Voltage Output DACs | | | |
| ● LTC2641IMS8-16#PBF | 16 bit Serial MSOP 8 Pins | 56M6236 | --- |
| ● LTC2642CMS-16#PBF | 16 bit 50 MSPS Serial MSOP 10 Pins | 56M6248 | --- |

► CONTINUED ►

LINEAR TECHNOLOGY - DIGITAL TO ANALOG CONVERTER SELECTION
(CONT.)

| Mfg. Part No. | Description | Stock No. | Price Each 1-24+ |
|---|---|-----------|---------------------|
| LTC266x - Voltage Output SoftSpan DACs with 10ppm/°C Max Reference | | | |
| ● LTC2666CUH-12#PBF | 12 bit Serial QFN 32 Pins | 66Y7067 | --- |
| ● LTC2666CUH-16#PBF | 16 bit Serial QFN 32 Pins | 66Y7069 | --- |
| ● LTC2666HUH-12#PBF | 12 bit Serial QFN 32 Pins | 66Y7071 | 10.84 |
| ● LTC2666HUH-16#PBF | 16 bit Serial QFN 32 Pins | 66Y7073 | --- |
| ● LTC2666IUH-12#PBF | 12 bit Serial QFN 32 Pins | 66Y7075 | --- |
| ● LTC2666IUH-16#PBF | 16 bit Serial QFN 32 Pins | 66Y7077 | --- |
| ● LTC2664CUH-12#PBF | Quad 12 bit Serial QFN 32 Pins | 77Y4773 | --- |
| ● LTC2664CUH-16#PBF | Quad 16 bit Serial QFN 32 Pins | 77Y4774 | --- |
| ● LTC2664HUH-12#PBF | Quad 12 bit Serial QFN 32 Pins | 77Y4775 | 22.24 |
| ● LTC2664HUH-16#PBF | Quad 16 bit Serial QFN 32 Pins | 77Y4776 | --- |
| ● LTC2664IUH-12#PBF | Quad 12 bit Serial QFN 32 Pins | 77Y4777 | --- |
| ● LTC2664IUH-16#PBF | Quad 16 bit Serial QFN 32 Pins | 77Y4778 | --- |
| DC2376A-A | LTC266x - Voltage Output SoftSpan DEV KIT | 77Y6353 | --- |

LTC26xx - Rail-to-Rail DACs

| | | | |
|----------------------|----------------------------------|---------|-----|
| ● LTC2656BCLF-16#PBF | 16 bit Serial TSSOP 20 Pins | 28R7624 | --- |
| ● LTC2600CGN#PBF | 16 bit Serial SSOP 16 Pins | 56M5795 | --- |
| ● LTC2600GNH#PBF | 16 bit Serial SSOP 16 Pins | 56M5799 | --- |
| ● LTC2604CGN#PBF | Quad 16 bit Serial SSOP 16 Pins | 56M5829 | --- |
| ● LTC2609CGN#PBF | 16 bit Serial SSOP 16 Pins | 56M5891 | --- |
| ● LTC2610CGN#PBF | Octal 14 bit Serial SSOP 16 Pins | 56M5903 | --- |
| ● LTC2620CGN#PBF | 12 bit Serial SSOP 16 Pins | 56M6011 | --- |
| ● LTC2622CMS#PBF | 12 bit Serial SOP 8 Pins | 56M6035 | --- |
| ● LTC2624CGN#PBF | 12 bit Serial NSSOP 16 Pins | 56M6045 | --- |

LTC2704 - Voltage Output SoftSpan DACs with Reraddock

| | | | |
|---------------------|----------------------------|---------|-----|
| ● LTC2704CGW-16#PBF | 16 bit Serial SSOP 44 Pins | 56M6271 | --- |
|---------------------|----------------------------|---------|-----|

LTC275x - SoftSpan Current Output DACs

| | | | |
|-------------------|----------------------------|---------|-----|
| DC1792A | LTC2756 Dev kit | 08W0085 | --- |
| ● LTC2752BCLX#PBF | 16 bit Serial LQFP 48 Pins | 84R4956 | --- |
| ● LTC2756BCG#PBF | 18 bit Serial SSOP 28 Pins | 87T0984 | --- |

PIM_5564609

MAXIM - DIGITAL TO ANALOG CONVERTER SELECTION

RoHS Compliant Available



| Mfg. Part No. | Description | Stock No. | Price Each 1-9+ |
|--|---|-----------|--------------------|
| Adjustable Current Digital to Analog Converters | | | |
| ● DS4404N+ | Adjustable Current 5 bit Serial TDFN 14 Pins | 73Y1643 | 1.49 |
| Double-Buffered, Voltage Output Digital to Analog Converters | | | |
| ● MX7224KN+ | Precision 8 bit Parallel DIP | 73Y6680 | 7.26 |
| Low-Power, Buffered Rail-to-Rail Digital to Analog Converters | | | |
| ● MAX216BGAU+ | Rail to Rail Buffered Output 16 bit Serial uMAX | 73Y4794 | 4.37 |
| Low Power, Voltage Output Digital to Analog Converters | | | |
| ● MAX250BCPP+ | Low Power 10 bit Serial DIP 20 Pins | 73Y4811 | 14.33 |
| ● MAX352BCPA+ | Low Power 12 bit Serial DIP 8 Pins | 73Y4861 | 11.01 |
| ● MAX5820LEUA+ | Low Power 8 bit Serial uMAX 8 Pins | 73Y5065 | 2.51 |
| Microprocessor Compatible Digital to Analog Converters | | | |
| ● MX724LCS+ | Precision 8 bit Unipolar NSOIC 16 Pins | 73Y6687 | 7.17 |
| Multiplying Digital to Analog Converters | | | |
| ● MX7541AJN+ | Multiplying 12 bit Bipolar Unipolar DIP 18 Pins | 73Y6694 | 9.12 |
| Parallel Digital to Analog Converters | | | |
| ● MAX5480BCEE+ | Precision 8 bit Parallel 5V QSOP 16 Pins | 73Y4976 | 3.77 |
| Rail to Rail Voltage Output Digital to Analog Converters | | | |
| ● MAX517ACPA+ | Precision 8 bit Serial DIP 8 Pins | 73Y4764 | 7.76 |
| Voltage Output Digital to Analog Converters | | | |
| ● MAX526DCNG+ | Precision 12 bit Parallel DIP | 73Y4819 | 39.60 |
| ● MAX5307EUE+ | Low Power Voltage Output 12 bit Serial TSSOP | 73Y4836 | 16.51 |
| ● MAX532BCWE+ | Precision 12 bit Serial WSOIC 16 Pins | 73Y4849 | 24.66 |
| ● MAX5354EUA+ | Low Power 10 bit Serial uMAX 8 Pins | 73Y4868 | 5.62 |
| ● MAX536BCPE+ | Precision 12 bit Serial DIP | 73Y4870 | 41.61 |
| ● MAX539BESA+ | Precision 12 bit Serial NSOIC 8 Pins | 73Y4893 | 7.36 |
| ● MX7248JN+ | Voltage Output 12 bit Parallel DIP 20 Pins | 73Y6683 | 8.80 |

MICROCHIP - DIGITAL TO ANALOG CONVERTER SELECTION

RoHS Compliant Available



Microchip offers low power Digital to Analog converter (DAC) products in 8- to 12-bit resolution and 1 to 4 channels.

► CONTINUED ►

1 ANALOG-TO-DIGITAL CONVERTERS

MICROCHIP - DIGITAL TO ANALOG CONVERTER SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Price Each 1-24+ |
|--|--------------------------------|-----------|---------------------|
| AEC-Q100 Voltage Output Digital to Analog Converter | | | |
| ● MCP4921-E/P | 12 bit Serial DIP 8 Pins | 08J8743 | 1.97 |
| ● MCP4921-E/SN | 12 bit Serial SOIC 8 Pins | 08J8744 | 1.97 |
| ● MCP4921T-E/MS | 12 bit Serial MSOP 8 Pins | 08J8745 | 1.77 |
| ● MCP4922-E/SL | 12 bit Serial SOIC 14 Pins | 08J8748 | --- |
| ● MCP4728-E/UN | 12 bit Serial MSOP 10 Pins | 08R1808 | --- |
| ● MCP4822-E/P | 12 bit Serial DIP 8 Pins | 11M1705 | 3.00 |
| MCP4728EV | MCP4728 Dev kit DAC | 25R7950 | --- |
| ● MCP4822-E/SN | 12 bit Serial SOIC 8 Pins | 31K2975 | --- |
| ● MCP4911-E/P | 10 bit Single Ended DIP 8 Pins | 53R0102 | 0.81 |
| ● MCP4922-E/P | 12 bit Serial DIP 14 Pins | 61K2950 | 2.62 |
| Voltage Output Digital to Analog Converter | | | |
| ● MCP48FEB01-E/UN | 8 bit Serial MSOP 10 Pins | 52Y7110 | 0.50 |
| ● MCP48FEB02-E/UN | 8 bit Serial MSOP 10 Pins | 52Y7112 | 0.79 |
| ● MCP4725A0T-E/CH | 12 bit Serial SOT-23 6 Pins | 77M3032 | 1.06 |

PIM_5576405

ANALOG SWITCH & MULTIPLEXER SELECTION



A comprehensive range of Analog Switches and Multiplexers covering single to multiple switch elements with various signal ranges in a variety of packages.

| Mfg. Part No. | Description | Stock No. | Tape Cut 1-9+ |
|-----------------------|---|-----------|------------------|
| Analog Devices | | | |
| ● ADG1406BRUZ | MULTIPLEXER 16X1 9.5OHM 0.3A 28TSSOP | 07P8867 | --- |
| ● ADG1411YRUZ | Quad Channel SPST 4 Channels 1.8 ohm | 11N8724 | --- |
| ● ADG749BK5Z-REEL7 | Single Channel SPDT 1 Channels 5 ohm SC-70 6 Pins | 12M7835 | --- |
| ● ADG706BRUZ | ANALOG MULTIPLEXER 16 X 1 TSSOP-28 | 19M0682 | --- |
| ● ADG408BRZ | ANALOG MULTIPLEXER 8 X 1 NSOIC-16 | 19M8647 | --- |
| ● ADG508FRBNZ | ANALOG MULTIPLEXER 8 X 1 NSOIC-16 | 19M8660 | --- |
| ● ADG601BRTZ-REEL7 | SPST 1 Channels 2 ohm SOT-23 6 Pins | 19M8662 | --- |
| ● ADG712BRUZ | Quad Channel SPST 4 Channels 2.5 ohm TSSOP 16 Pins | 19M8668 | --- |
| ● ADG1206YRUZ | ANALOG MULTIPLEXER 16 X 1 TSSOP-28 | 28M3577 | --- |
| ● ADG1408YRUZ | ANALOG MULTIPLEXER 8 X 1 TSSOP-16 | 28M3586 | --- |
| ● ADG1434YRUZ | Quad Channel SPDT 4 Channels 4 ohm TSSOP 20 Pins | 28M3595 | --- |
| ● ADG1414BCPZ-REEL7 | Octal Channel SPST 8 Channels 21.5 ohm LFCSP 24 Pins | 39Y2626 | 7.68 |
| ● ADG819BRTZ-REEL7 | Single Channel SPDT 1 Channels 1.6 ohm SOT-23 6 Pins | 39Y2647 | 2.88 |
| ● ADG1209YRZ | ANALOG MULTIPLEXER DUAL 4X1 SOIC16 | 41M1909 | --- |
| ● ADG1207YRUZ | MULTIPLEXER 8 CHANNEL SMD TSSOP28 1207 | 46M5167 | --- |
| ● ADG1409YRUZ | ANALOG MULTIPLEXER DUAL 4X1 TSSOP16 | 55M3850 | --- |
| ● ADG212AKNZ | Quad Channel SPST 4 Channels 115 ohm 15V DIP 16 Pins | 59K1189 | --- |
| ● ADG419BRZ | Single Channel SPDT 1 Channels 25 ohm SOIC 8 Pins | 59K1263 | --- |
| ● ADG438FBRZ | ANALOG MULTIPLEXER 8 X 1 NSOIC-16 | 59K1296 | --- |
| ● ADG506AKNZ | ANALOG MULTIPLEXER 16 X 1 DIP-28 | 59K1351 | --- |
| ● ADG508AKNZ | ANALOG MULTIPLEXER 8 X 1 DIP-16 | 59K1360 | --- |
| ● ADG619BRTZ-REEL7 | Single Channel SPDT 1 Channels 7 ohm SOT-23 8 Pins | 59K1442 | --- |
| ● ADG714BRUZ | Octal Channel SPST 8 Channels 4.5 ohm TSSOP 24 Pins | 59K1531 | --- |
| ● ADG726BSUZ | ANALOG MULTIPLEXER DUAL 16 X 1 TQFP-48 | 59K1555 | --- |
| ● ADG739BRUZ | Dual Channel SPST 2 Channels 4.5 ohm TSSOP 16 Pins | 59K1581 | 4.28 |
| ● ADG801BRTZ-REEL7 | Single Channel SPST 1 Channels 0.25 ohm SOT-23 6 Pins | 59K1626 | --- |
| ● ADG1609BCPZ-REEL7 | ANALOGUE MULTIPLEXER 4 TO 1 LFCSP-16 | 67W2632 | --- |
| ● ADG1412YCPZ-REEL7 | Quad Channel SPST 4 Channels 1.8 ohm LFCSP 16 Pins | 67W3117 | --- |
| ● ADG1434YCPZ-REEL7 | Quad Channel SPDT 4 Channels 4.7 ohm LFCSP 20 Pins | 67W3121 | --- |
| ● ADG1606BCPZ-REEL7 | ANALOGUE MULTIPLEXER 16 TO 1 LFCSP-32 | 67W3123 | --- |
| ● ADG1436YRUZ | Dual Channel SPDT 2 Channels 1.8 ohm TSSOP 16 Pins | 73T8146 | 7.37 |
| ● ADG1636BCPZ-REEL7 | Dual Channel SPDT 2 Channels 1 ohm LFCSP 16 Pins | 74P0670 | --- |
| ● ADG5433BRUZ-REEL7 | Triple Channel SPDT 3 Channels 14 ohm TSSOP 16 Pins | 92T1806 | --- |
| ● ADG5434BRUZ-REEL7 | Quad Channel SPDT 4 Channels 14 ohm TSSOP 20 Pins | 92T1807 | --- |
| ● ADG719BRTZ-REEL7 | Single Channel SPDT 1 Channels 2.5 ohm SOT-23 6 Pins | 96K2067 | --- |
| Intersil | | | |
| HI1-0201-2 | ANALOG SWITCH, QUAD, SPST, DIP-16 | 06F6240 | --- |
| ● DQ408DYZ | ANALOG MULTIPLEXER, 8 X 1, SOIC-16 | 11J8340 | 2.61 |

► CONTINUED ►

ANALOG SWITCH & MULTIPLEXER SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Tape Cut 1-9+ |
|--------------------------|--|-----------|------------------|
| Maxim | | | |
| ● MAX306EWI+T | ANALOGUE MUX SINGLE 16:1 WSOIC-28 | 73Y3139 | 8.03 |
| ● MAX326CPE+ | Ultra Low Leakage SPST 4 Channels 3.5 kohm DIP | 73Y3524 | 8.76 |
| ● MAX326CSE+ | Ultra Low Leakage SPST 4 Channels 3.5 kohm NSOIC | 73Y3525 | 7.78 |
| ● MAX4684EUB+T | Low Voltage SPDT 2 Channels 0.5 ohm uMAX 10 Pins | 73Y4454 | 3.24 |
| Texas Instruments | | | |
| ● TPS2111APWR | AUTOSWING POWER MULTIPLEXER 5.5V 8-TSSOP | 01J0957 | 0.39 |
| ● TSS5A159DBVR | Single Channel SPDT 1 Channels 1.1 ohm SOT-23 6 Pins | 44J2609 | --- |
| ● CD4051BE | ANALOG MUX/DMUX 8 X 1 DIP-16 | 60K5119 | --- |
| ● TS3USB30EDGSR | MULTIPLEXER/DEMUTIPLEXER 1 TO 2 VSSOP-10 | 87W8985 | 1.35 |
| ● TS12A1251DCNR | SPDT 1 Channels 8 ohm SOT-23 8 Pins | 89W0654 | --- |
| ● MPC508AP | ANALOG MULTIPLEXER 8 X 1 DIP-16 | 96K4520 | --- |

PIM_5576437

DATA TRANSMISSION AND CONTROL CIRCUITS

**ANALOG DEVICES**

AHEAD OF WHAT'S POSSIBLE™

| Mfg. Part No. | Case Style | Supply Voltage | No. of Drivers | Stock No. | Price Each 1-9+ |
|--------------------------------------|------------|----------------|----------------|-----------|--------------------|
| Differential Line Transceiver | | | | | |
| ● ADM1485ANZ | DIP-8 | 4.75Vto5.25V | 1Drivers | 12M7915 | --- |
| RS232 Transceiver | | | | | |
| ● ADM3202ANZ | DIP-16 | 3Vto5.5V | 2Drivers | 19M8690 | --- |
| ● ADM202EANZ | DIP-16 | 4.5Vto5.5V | 2Drivers | 19M0699 | --- |
| ● ADM202JNZ | DIP-16 | 4.5Vto5.5V | 2Drivers | 19M0700 | --- |
| ● ADM232LJNZ | DIP-16 | 4.5Vto5.5V | 2Drivers | 19M8686 | --- |
| ● ADM233LJNZ | DIP-20 | 4.75Vto5.25V | 2Drivers | 59K2037 | --- |
| ● ADM208EANZ | DIP-24 | 4.5Vto5.5V | 4Drivers | 19M0702 | --- |
| ● ADM238LJNZ | DIP-24 | 4.5Vto5.5V | 4Drivers | 59K2045 | 3.22 |
| ● ADM101EARMZ | MSOP-10 | 4.5Vto5.5V | 1Drivers | 19M8678 | --- |
| ● ADM3202ARWZ | SOIC-16 | 3Vto5.5V | 2Drivers | 19M8691 | --- |
| ● ADM3202ARNZ | SOIC-16 | 3Vto5.5V | 2Drivers | 59K2061 | --- |
| ● ADM3202ARNZ-REEL7 | SOIC-16 | 3Vto5.5V | 2Drivers | 59K2063 | --- |
| ● ADM202JRNZ | SOIC-16 | 4.5Vto5.5V | 2Drivers | 19M0701 | --- |
| ● ADM232LJRZ | SOIC-16 | 4.5Vto5.5V | 2Drivers | 19M0706 | --- |
| ● ADM202EARNZ | SOIC-16 | 4.5Vto5.5V | 2Drivers | 59K1967 | --- |
| ● ADM232AARNZ | SOIC-16 | 4.5Vto5.5V | 2Drivers | 59K2026 | --- |
| ● ADM211EARZ | SOIC-28 | 4.5Vto5.5V | 4Drivers | 19M0704 | --- |
| ● ADM213EARZ | SOIC-28 | 4.5Vto5.5V | 4Drivers | 19M0705 | --- |
| ● ADM1385ARSZ | SSOP-20 | 3Vto5.5V | 2Drivers | 59K1888 | --- |
| ● ADM3222ARSZ | SSOP-20 | 3Vto5.5V | 2Drivers | 59K2067 | --- |
| ● ADM3311EARSZ | SSOP-28 | 2.7Vto3.6V | 3Drivers | 19M1177 | --- |
| ● ADM211EARSZ | SSOP-28 | 4.5Vto5.5V | 4Drivers | 19M0703 | --- |
| ● ADM3202ARUZ | TSSOP-16 | 3Vto5.5V | 2Drivers | 59K2064 | --- |
| ● ADM202EARUZ | TSSOP-16 | 4.5Vto5.5V | 2Drivers | 19M8684 | --- |
| ● ADM3222ARUZ | TSSOP-20 | 3Vto5.5V | 2Drivers | 19M8692 | --- |
| ● ADM3311EARUZ | TSSOP-28 | 2.7Vto3.6V | 3Drivers | 19M8693 | --- |
| ● ADM211EARUZ | TSSOP-28 | 4.5Vto5.5V | 4Drivers | 59K2003 | --- |
| ● ADM232AARWZ | WSOIC-16 | 4.5Vto5.5V | 2Drivers | 19M8685 | --- |
| ● ADM202EARWZ | WSOIC-16 | 4.5Vto5.5V | 2Drivers | 59K1973 | --- |
| ● ADM242ARZ | WSOIC-18 | 4.5Vto5.5V | 2Drivers | 19M8687 | --- |
| RS422 / RS485 Transceiver | | | | | |
| ● ADM1486ARZ | NSOIC-8 | 4.75Vto5.25V | 1Drivers | 59K1897 | --- |
| ● ADM3483ARZ | SOIC-8 | 3Vto3.6V | 1Drivers | 19M1178 | --- |
| ● ADM3485ARZ | SOIC-8 | 3Vto3.6V | 1Drivers | 19M1179 | --- |
| ● ADM3488ARZ | SOIC-8 | 3Vto3.6V | 1Drivers | 19M1180 | --- |
| ● ADM3490ARZ | SOIC-8 | 3Vto3.6V | 1Drivers | 19M1181 | --- |
| ● ADM3493ARZ | SOIC-8 | 3Vto3.6V | 1Drivers | 19M1182 | --- |
| ● ADM3491ARZ | SOIC-14 | 3Vto3.6V | 1Drivers | 19M0708 | --- |
| ● ADM3076EARZ | SOIC-14 | 3Vto3.6V | 1Drivers | 28M3724 | --- |
| RS485 Transceiver | | | | | |
| ● ADM488ANZ | DIP-8 | 4.5Vto5.5V | 1Drivers | 19M1183 | --- |
| ● ADM485JNZ | DIP-8 | 4.75Vto5.25V | 1Drivers | 96K2074 | --- |
| ● ADM488ARZ | NSOIC-8 | 4.5Vto5.5V | 1Drivers | 19M8697 | --- |
| ● ADM1485ARZ | SOIC-8 | 4.75Vto5.25V | 1Drivers | 19M1176 | --- |
| ● ADM1485JZR | SOIC-8 | 4.75Vto5.25V | 1Drivers | 19M8683 | --- |
| ● ADM485ANZ | SOIC-8 | 4.75Vto5.25V | 1Drivers | 19M8695 | --- |
| ● ADM485ARZ | SOIC-8 | 4.75Vto5.25V | 1Drivers | 19M8696 | --- |
| ● ADM485JZR | SOIC-8 | 4.75Vto5.25V | 1Drivers | 59K2120 | --- |
| ● ADM2483BRWZ | SOIC-16 | 2.7Vto5.5V | 1Drivers | 19M8688 | --- |
| ● ADM2486BRWZ | SOIC-16 | 2.7Vto5.5V | 1Drivers | 19M8689 | --- |

PIM_88678

TRANSCEIVERS, DRIVERS

ANALOG
DEVICES

AHEAD OF WHAT'S POSSIBLE™

The RS-232 specification allows for reliable data transmission from one transmitter to one receiver at data rates of up to 20 kbps over relatively short distances (up to 50 feet). On more recent RS-232 transceiver chips, data rates of up to 1 Mbps are achievable over shorter distances (up to 5 feet). The most common applications for RS-232 transceivers are computers and peripherals, mobile phone data cables, and diagnostic data ports. The RS-485 specification meets the requirements for a truly multipoint communications network, and the standard specifies up to 32 drivers and 32 receivers on a single (2-wire) bus. Some RS-485 transceivers modify the input impedance to allow up to 8x more nodes to be connected to the same bus. Analog Devices offers a wide range of standard RS-485/RS-422 transceivers and iCoupler® isolated RS-485/RS-422 transceivers to suit many applications.

| Mfg. Part No. | Case Style | Supply Voltage | No. of Drivers | Stock No. | Tape Cut |
|---------------------------|------------|----------------|----------------|-----------|----------|
| RS232 Transceiver | | | | | |
| ADM3101EACPZ-250R7 | LFCSP-12 | 3Vto5.5V | 1Drivers | 50M0780 | --- |
| ADM3232EARNZ | NSOIC-16 | 3Vto5.5V | 2Drivers | 28M3736 | --- |
| ADM3101EARQZ | QSOP-16 | 3Vto5.5V | 1Drivers | 84M7773 | --- |
| ADM213ARSZ | SSOP-28 | 4.5Vto5.5V | 4Drivers | 59K2008 | --- |
| ADM3312EARUZ | TSSOP-24 | 2.7Vto3.6V | 3Drivers | 59K2091 | --- |
| ADM3315EARUZ | TSSOP-24 | 2.7Vto3.6V | 3Drivers | 59K2097 | --- |
| RS422 / RS485 Transceiver | | | | | |
| ADM4853ARZ | NSOIC-8 | 4.75Vto5.25V | 1Drivers | 12M8025 | --- |

PIM_136330

RS232 TRANSCEIVERS



EXAR

A New Direction in Mixed-Signal

Applications:

- Factory automation
- Point-of-Sale(POS) equipment
- Industrial and single board computers
- Industrial and process control equipment
- HVAC controls
- Telecommunication equipment
- Gaming machines
- Network switches and data routers

Exar offers a large portfolio of RS-232 serial transceivers. The family consists of traditional RS-232 transceivers to the more advanced RS-232 transceivers with Auto On-line Plus and low voltage logic (1.65V to 5.5V I/O logic supply) features. In addition, many of the RS-232 transceivers have enhanced ESD protection. Exar offers new RS-232 products that meet rigid IEC 61000-4-2 air-gap and contact ESD standards. This protection makes the product immune to damage from ESD strikes. Many of the devices are drop-in replacements and functional equivalents to existing industry standard solutions.

NO suffix - contains Pb

"-L" suffix - RoHS Compliant

| Mfg. Part No. | Case Style | Supply Voltage | No. of Drivers | Stock No. | Price Each |
|-------------------|------------|----------------|----------------|-----------|------------|
| RS232 Transceiver | | | | | |
| SP3232ECP-L | DIP-16 | 3Vto5.5V | 2Drivers | 24R0372 | --- |
| SP202EEP-L | DIP-16 | 4.5Vto5.5V | 2Drivers | 23R9990 | --- |
| SP232ACP-L | DIP-16 | 4.5Vto5.5V | 2Drivers | 24R0078 | --- |
| SP232AEP-L | DIP-16 | 4.5Vto5.5V | 2Drivers | 24R0083 | --- |
| SP232EEP-L | DIP-16 | 4.5Vto5.5V | 2Drivers | 24R0093 | --- |
| SP233ACP-L | DIP-20 | 4.5Vto5.5V | 2Drivers | 24R0096 | --- |
| SP3232EBEN-L | NSOIC-16 | 3Vto5.5V | 2Drivers | 24R0361 | --- |
| SP232ACN-L | NSOIC-16 | 4.5Vto5.5V | 2Drivers | 24R0076 | --- |
| SP3232EEN-L | SOIC-16 | 3Vto5.5V | 2Drivers | 24R0379 | --- |
| SP3232EET-L | SOIC-16 | 3Vto5.5V | 2Drivers | 24R0382 | --- |
| SP3232EUCN-L | SOIC-16 | 3Vto5.5V | 2Drivers | 24R0402 | --- |
| SP202ECN-L | SOIC-16 | 4.5Vto5.5V | 2Drivers | 23R9983 | --- |
| SP202EET-L | SOIC-16 | 4.5Vto5.5V | 2Drivers | 23R9991 | --- |
| SP232ECT-L | SOIC-16 | 4.5Vto5.5V | 2Drivers | 24R0089 | --- |
| SP232EET-L | SOIC-16 | 4.5Vto5.5V | 2Drivers | 24R0094 | --- |
| SP3222EET-L | SOIC-18 | 3Vto5.5V | 2Drivers | 24R0278 | --- |
| SP312EET-L | SOIC-18 | 4.5Vto5.5V | 2Drivers | 24R0213 | --- |
| SP233ACT-L | SOIC-20 | 4.5Vto5.5V | 2Drivers | 24R0097 | --- |
| SP233AET-L | SOIC-20 | 4.5Vto5.5V | 2Drivers | 24R0100 | --- |
| SP3220ECA-L | SSOP-16 | 3Vto5.5V | 1Drivers | 24R0242 | --- |
| SP3220EEA-L | SSOP-16 | 3Vto5.5V | 1Drivers | 24R0246 | --- |
| SP3244EEA-L | SSOP-20 | 3Vto5V | 2Drivers | 24R0322 | --- |
| SP385ECA-L | SSOP-20 | 3Vto5V | 2Drivers | 24R0539 | --- |
| SP208ECA-L | SSOP-24 | 4.5Vto5.5V | 4Drivers | 24R0024 | --- |
| SP208EEA-L | SSOP-24 | 4.5Vto5.5V | 4Drivers | 24R0028 | --- |
| SP3243EBCA-L | SSOP-28 | 3Vto5.5V | 3Drivers | 24R0425 | --- |
| SP3243ECA-L | SSOP-28 | 3Vto5.5V | 3Drivers | 24R0441 | --- |
| SP3243EEA-L | SSOP-28 | 3Vto5.5V | 3Drivers | 24R0447 | --- |
| SP3243EUA-L | SSOP-28 | 3Vto5.5V | 3Drivers | 24R0461 | --- |
| SP3243EUEA-L | SSOP-28 | 3Vto5.5V | 3Drivers | 24R0469 | --- |
| SP3238EEA-L | SSOP-28 | 3Vto5.5V | 5Drivers | 24R0417 | --- |
| SP211EEA-L | SSOP-28 | 4.5Vto5.5V | 4Drivers | 24R0052 | --- |
| SP3220ECY-L | TSSOP-16 | 3Vto5.5V | 1Drivers | 24R0244 | --- |
| SP3220EEY-L | TSSOP-16 | 3Vto5.5V | 1Drivers | 24R0248 | --- |

► CONTINUED ►

RS232 TRANSCEIVERS (CONT.)

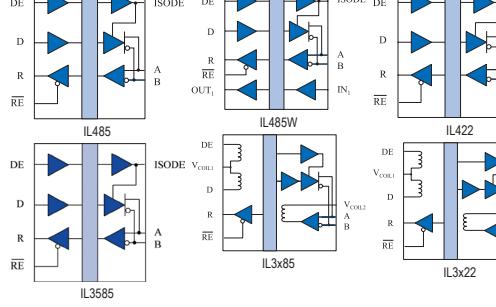
| Mfg. Part No. | Case Style | Supply Voltage | No. of Drivers | Stock No. | Price Each |
|-------------------|------------|----------------|----------------|-----------|------------|
| RS232 Transceiver | | | | | |
| SP3232EBCY-L | TSSOP-16 | 3Vto5.5V | 2Drivers | 24R0357 | --- |
| SP3232EBEY-L | TSSOP-16 | 3Vto5.5V | 2Drivers | 24R0366 | --- |
| SP3232ECY-L | TSSOP-16 | 3Vto5.5V | 2Drivers | 24R0375 | --- |
| SP3232EEY-L | TSSOP-16 | 3Vto5.5V | 2Drivers | 24R0384 | --- |
| SP3232EUCY-L | TSSOP-16 | 3Vto5.5V | 2Drivers | 24R0407 | --- |
| SP3222EBEY-L | TSSOP-20 | 3Vto5.5V | 2Drivers | 24R0268 | --- |
| SP3222EEY-L | TSSOP-20 | 3Vto5.5V | 2Drivers | 24R0280 | --- |
| SP3222EUCY-L | TSSOP-20 | 3Vto5.5V | 2Drivers | 24R0286 | --- |
| SP3223EBCY-L | TSSOP-20 | 3Vto5.5V | 2Drivers | 24R0304 | --- |
| SP203EY-L | TSSOP-20 | 3Vto5.5V | 3Drivers | 24R0231 | --- |
| SP244ECY-L | TSSOP-28 | 3Vto5V | 3Drivers | 24R0479 | --- |
| SP3243EBCY-L | TSSOP-28 | 3Vto5.5V | 3Drivers | 24R0431 | --- |
| SP3243EBEY-L | TSSOP-28 | 3Vto5.5V | 3Drivers | 24R0439 | --- |
| SP3238EEY-L | TSSOP-28 | 3Vto5.5V | 5Drivers | 24R0419 | --- |
| SP3232ECT-L | WSOIC-16 | 3Vto5.5V | 2Drivers | 24R0373 | --- |
| SP10ECT-L | WSOIC-18 | 4.5Vto5.5V | 2Drivers | 24R0204 | --- |

PIM_156281

IL4- and IL3- SERIES ISOLATED RS-422, RS-485, PROFIBUS, AND CAN TRANSCEIVERS



IL4- and IL3- SERIES ISOLATED RS-422, RS-485, PROFIBUS, AND CAN TRANSCEIVERS



Features:

- 3V or 5V Power Supply
- Low Quiescent Supply Current
- 25,000 Year Barrier Life
- 0.15° and 0.3°Wide 16-pin SOIC

NVE's award-winning IL4- and IL3-Series single-chip isolated transceivers dramatically reduce chip count and board area compared to traditional optocouplers. Unique 0.15° SOIC packages for some parts reduce board area even more.

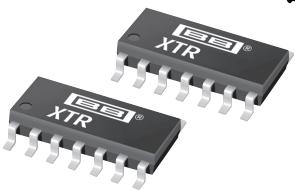
| Mfg. Part No. | Case Style | Supply Voltage | No. of Drivers | Stock No. | Price Each |
|---------------------------|---|---------------------|----------------|-----------|------------|
| RS422 / RS485 Transceiver | | | | | |
| IL3422E | SOIC-16 | 3Vto5.5V | 1Drivers | 03M8152 | --- |
| IL3222E | SOIC-16 | 3Vto5.5V | 1Drivers | 93K6261 | --- |
| IL3485E | SOIC-16 | 3Vto5.5V | 1Drivers | 93K6262 | --- |
| IL3522E | SOIC-16 | 3Vto5.5V/4.5Vto5.5V | 1Drivers | 41T3891 | 6.47 |
| RS422 Transceiver | | | | | |
| IL3122E | SOIC-16 | 3Vto5.5V | 1Drivers | 93K6260 | 4.77 |
| IL3122-3E | SOIC-16 | 3Vto5.5V/4.5Vto5.5V | 1Drivers | 41T3885 | 4.77 |
| IL3222-3E | SOIC-16 | 3Vto5.5V/4.5Vto5.5V | 1Drivers | 41T3887 | --- |
| IL3422-3E | SOIC-16 | 3Vto5.5V/4.5Vto5.5V | 1Drivers | 41T3889 | 4.49 |
| IL422E | SOIC-16 | 4.5Vto5.5V | 1Drivers | 93K6264 | 13.80 |
| RS485 Transceiver | | | | | |
| IL3185E | SOIC-16 | 3Vto5.5V | 1Drivers | 03M8150 | 4.77 |
| IL3285E | SOIC-16 | 3Vto5.5V | 1Drivers | 03M8151 | --- |
| IL3585E | SOIC-16 | 3Vto5.5V | 1Drivers | 93K6263 | 7.20 |
| IL485E | SOIC-16 | 3Vto5.5V | 1Drivers | 93K6265 | 14.45 |
| IL3185-3E | SOIC-16 | 3Vto5.5V/4.5Vto5.5V | 1Drivers | 41T3886 | 4.77 |
| IL3285-3E | SOIC-16 | 3Vto5.5V/4.5Vto5.5V | 1Drivers | 41T3888 | 4.45 |
| IL3485-3E | SOIC-16 | 3Vto5.5V/4.5Vto5.5V | 1Drivers | 41T3890 | --- |
| IL3685E | SOIC-16 | 3Vto5.5V/4.5Vto5.5V | 1Drivers | 90T0849 | --- |
| IL485WE | SOIC-16 | 4.5Vto5.5V | 1Drivers | 93K6266 | 10.11 |
| Accessories | | | | | |
| Mfg. Part No. | Description | | | Stock No. | Price Each |
| IL3585-01 | Evaluation Board for Transceivers and Drivers | | | 94T5282 | 70.26 |

PIM_8869

INTERFACE & I/O CONTROLLER ICS

1

4-20mA TRANSMITTER/RECEIVER ICs


TEXAS INSTRUMENTS
 Authorized Distributor

 RoHS
Compliant
Available

Applications:

- Industrial Process Control
- Pressure/Temperature Transmitters
- Current-Mode Bridge Excitation
- Grounded Transducer Circuits
- Current Source Reference For Data Acquisition
- Programmable Current Source For Test Equipment
- Power Plant/Energy System Monitoring

| Mfg. Part No. | Case Style | Supply Voltage | Input Offset Voltage | CMRR | Stock No. | Price Each |
|--|--------------|----------------|----------------------|-------|-----------|------------|
| | | | | | | 1-9+ |
| 1 Amplifier | | | | | | |
| ● XTR105PA | DIP-14 Pins | 7.5 V to 36 V | 50µV | 82dB | 80K6192 | --- |
| ● XTR105UA | SOIC-14 Pins | 7.5 V to 36 V | 250µV | 86dB | 77C3632 | --- |
| ● XTR300AIRGWT | VQFN-20 Pins | 10 V to 40 V | 400µV | 126dB | 80K3971 | --- |
| 3 Amplifier | | | | | | |
| ● XTR105P | DIP-14 Pins | 7.5 V to 36 V | 100µV | 86dB | 77C3629 | 12.06 |
| ● XTR101AP | DIP-14 Pins | 11.6 V to 40 V | 100µV | 100dB | 84K4518 | --- |
| 5 Amplifier | | | | | | |
| ● XTR106P | DIP-14 Pins | 7.5 V to 36 V | 100µV | 86dB | 77C3634 | --- |
| ● XTR106PA | DIP-14 Pins | 7.5 V to 36 V | 250µV | 86dB | 80K6193 | --- |
| ● XTR106UA | SOIC-14 Pins | 7.5 V to 36 V | 250µV | 86dB | 80K6194 | --- |
| Precision 1 AMP DIP 16 Pins, 1 Amplifier | | | | | | |
| ● RCV420JP | DIP-16 Pins | 11.4 V to 18 V | 1mV | 86dB | 60K6765 | --- |
| Precision 2 AMP 25 nA MSOP 10 Pins, 2 Amplifier | | | | | | |
| ● XTR111ADGQT | MSOP-10 Pins | 7 V to 44 V | 1.5mV | ... | 54M7931 | --- |
| Precision 2 AMP DIP 16 Pins, 2 Amplifier | | | | | | |
| ● XTR110KP | DIP-16 Pins | 13.5 V to 40 V | 0V | ... | 79K0175 | 11.64 |

PIM_64874

LVDS/M-LVDS/ECL/CML INTERFACE ICs

 RoHS
Compliant
Available

TEXAS INSTRUMENTS
 Authorized Distributor

Applications:

- Wireless Infrastructure
- Telecom Infrastructure
- Printers

The SN55LVDSxxx deviceic are characterized for operation from -55°C to 125°C. The SN65LVDSxxx devices are characterized for operation from -40°C to 85°C. The SN75LVDSxxx devices are characterized for operation from 0°C to 70°C. The intended application of the devices and signaling technique is for point-to-point baseband data transmission over controlled impedance media of approximately 100 Ω. The transmission media may be printed-circuit board traces, backplanes, or cables. The large number of receivers integrated into the same substrate along with the low pulse skew of balanced signaling, allows extremely precise timing alignment of clock and data for synchronous parallel data transfers.

| Mfg. Part No. | Case Style | Supply Voltage | No. of Receivers | Data Rate | Stock No. | Price Each |
|--------------------------------------|------------|----------------|------------------|-----------|-----------|------------|
| | | | | | | 1-9+ |
| Differential Line | | | | | | |
| ● SN65LVDS31PW | TSSOP-16 | 3Vto3.6V | 0Receivers | 400Mbps | 76C0755 | --- |
| Differential Line Driver | | | | | | |
| ● SN65LVDS638DGN | MSOP-8 | 3Vto3.6V | 0Receivers | 150Mbps | 76C0815 | --- |
| ● SN65LVDM31D | SOIC-16 | 3Vto3.6V | 0Receivers | 150Mbps | 35K0742 | --- |
| ● SN65LVDS391PW | TSSOP-16 | 3Vto3.6V | 0Receivers | 630Mbps | 72K9422 | 2.19 |
| ● SN65LVDS047PW | TSSOP-18 | 3Vto3.6V | 0Receivers | 400Mbps | 75C7841 | --- |
| ● SN65LVDS387DGG | TSSOP-64 | 3Vto3.6V | 0Receivers | 630Mbps | 74K3949 | --- |
| ● SN65LVDS9638DGKR | VSSOP-8 | 3Vto3.6V | 0Receivers | 150Mbps | 76C0814 | --- |
| Differential Line Receiver | | | | | | |
| ● SN65LVDS2D | SOIC-8 | 2.4Vto3.6V | 1Receivers | 400Mbps | 76C0743 | --- |
| ● SN65LVDS32D | SOIC-16 | 3Vto3.6V | 4Receivers | 400Mbps | 68K1112 | --- |
| ● SN65LVDS32BDR | SOIC-16 | 3Vto3.6V | 4Receivers | 400Mbps | 76C0758 | 1.64 |
| ● SN65LVDT33D | SOIC-16 | 3Vto3.6V | 4Receivers | 400Mbps | 76C0826 | --- |
| ● SN75LVDT390D | SOIC-16 | 3Vto3.6V | 4Receivers | 630Mbps | 76C5314 | --- |
| ● SN65LVDT390PW | TSSOP-16 | 3Vto3.6V | 4Receivers | 200Mbps | 76C0848 | --- |
| ● SN65LVDS33PW | TSSOP-16 | 3Vto3.6V | 4Receivers | 400Mbps | 76C0766 | --- |
| ● SN75LVDT388ADBT | TSSOP-38 | 3Vto3.6V | 8Receivers | 630Mbps | 31C9559 | --- |
| ● SN65LVDT388ADBT | TSSOP-38 | 3Vto3.6V | 8Receivers | 630Mbps | 76C0842 | --- |
| ● SN65LVDT386DGG | TSSOP-64 | 3Vto3.6V | 16Receivers | 250Mbps | 76C0841 | --- |
| ● SN65LVDT386DGG | TSSOP-64 | 3Vto3.6V | 16Receivers | 630Mbps | 77K7808 | --- |
| Differential Line Transceiver | | | | | | |
| ● SN65LVDS100DGKR | MSOP-8 | 3Vto3.6V | 1Receivers | 2Gbps | 02E6877 | --- |
| ● SN65LVDS1DBVR | SOT-23-5 | 2.4Vto3.6V | 0Receivers | 630Mbps | 76C0715 | 1.65 |
| ● SN65LVDS2DBVR | SOT-23-5 | 2.4Vto3.6V | 1Receivers | 400Mbps | 76C0744 | --- |

Accessories

LVDS/M-LVDS/ECL/CML INTERFACE ICs (CONT.)

| Mfg. Part No. | Logic Type | Stock No. | Price Each | |
|--------------------|--------------------------------|-----------|------------|------|
| | | | | 1-9+ |
| ● SN65LVDSD100DGK | Translator / Repeater | 02E6876 | --- | |
| ● SN65LVDSD101D | Translator / Repeater | 02E6880 | --- | |
| ● SN65LVDSD101DGK | Level Translator | 02E6881 | --- | |
| ● SN65LVDSD101DGK | Level Translator | 02E6894 | --- | |
| ● SN65LVCPC418PAPT | Differential Buffer | 14R5421 | --- | |
| ● SN65ELT21D | Level Translator | 14R9900 | --- | |
| ● SN65ELT23D | Level Translator | 14R9901 | --- | |
| ● SN65ELT23D | Level Translator | 14R9902 | --- | |
| ● SN75LVDS389DBT | Differential Line Driver | 19C1727 | --- | |
| ● SN65MLVD207D | Buffer, Line Driver | 22H0115 | --- | |
| ● SN65LVCPC15PW | Transceiver, Bidirectional | 33P9826 | --- | |
| ● SN65LVDSD31D | Differential Line Driver | 36K3545 | 2.55 | |
| ● SN65EL16D | Differential Receiver | 40P3857 | --- | |
| ● SN65LVEP11D | Fanout Buffer | 40P3859 | --- | |
| ● SN65ELT22DGK | Level Translator | 45P8150 | --- | |
| ● SN65EPT22D | Translator / Repeater | 45P8157 | --- | |
| ● SN65LVELT22D | Translator / Repeater | 45P8166 | --- | |
| ● SN65MLVD048RGZT | LVDS | 63R6146 | --- | |
| ● SN65LVDSD389DBT | Differential Line Driver | 74K3950 | 1.15 | |
| ● SN65LVDMD167DGG | Differential Line Transceiver | 75C7818 | --- | |
| ● SN65LVDMD167DGG | Transceiver | 75C7820 | --- | |
| ● SN65LVDMD179DGK | Line Driver, Receiver | 75C7825 | --- | |
| ● SN65LVDS047D | Differential Line Driver | 75C7839 | --- | |
| ● SN65LVDS1DBVT | Differential Line Transceiver | 76C0716 | --- | |
| ● SN65LVDS105PW | Differential Buffer / Repeater | 76C0720 | --- | |
| ● SN65LVDS105PW | Transceiver | 76C0722 | --- | |
| ● SN65LVDS33D | Differential Line Receiver | 76C0764 | --- | |
| ● SN65LVDS9637BD | Differential Line Receiver | 76C0806 | 0.69 | |
| ● SN65LVDS9638DGK | Differential Line Driver | 76C0813 | --- | |
| ● SN65LVDT348PW | Differential Line Receiver | 76C0834 | --- | |
| ● SN75LVDS84ADGGR | Buffer, Translator | 76C5297 | --- | |
| ● TB3R1D | PECL Differential Receiver | 87H2743 | --- | |
| ● TB5D1MD | Differential Line | 87H2747 | --- | |
| ● SN65LVDS050D | Transceiver | 93B4979 | --- | |
| ● SN65LVDMD179D | Differential Line Transceiver | 93B5060 | --- | |

PIM_74643

RS-232 DRIVERS, RECEIVERS, AND TRANSCEIVERS

 RoHS
Compliant
Available

TEXAS INSTRUMENTS
 Authorized Distributor

| Mfg. Part No. | Case Style | Supply Voltage | No. of Drivers | Stock No. | Price Each | |
|-----------------------------|------------|----------------|----------------|-----------|------------|------|
| | | | | | | 1-9+ |
| Line | | | | | | |
| ● SN75150P | DIP-8 | ±10.8Vto±13.2V | 2Drivers | 60K6922 | --- | |
| Line Transceiver | | | | | | |
| ● SN65C3221EPW | TSSOP-16 | 3Vto3.6V | 1Drivers | 66K4154 | --- | |
| RS232 / RS423 Driver | | | | | | |
| ● UA9636ACP | DIP-8 | ±10.8Vto±13.2V | 2Drivers | 60K7045 | 0.72 | |
| ● UA9636ACD | SOIC-8 | ±10.8Vto±13.2V | 2Drivers | 09F1536 | --- | |
| RS232 Driver | | | | | | |
| ● SN75C188N | DIP-14 | ±4.5Vto±15V | 4Drivers | 08F8025 | --- | |
| ● MC1488N | DIP-14 | ±7.5Vto±15V | 4Drivers | 60K6207 | --- | |
| ● SN75188N | DIP-14 | ±7.5Vto±15V | 4Drivers | 60K6933 | --- | |
| ● SN75150D | SOIC-8 | ±10.8Vto±13.2V | 2Drivers | 08F8074 | --- | |
| ● SN75C188D | SOIC-14 | ±4.5Vto±15V | 4Drivers | 72K9441 | --- | |
| ● SN75188D | SOIC-14 | ±7.5Vto±15V | 4Drivers | 08F8135 | --- | |
| RS232 Receiver | | | | | | |
| ● MC1489AN | DIP-14 | 4.5Vto5.5V | ... | 07F4438 | 0.27 | |
| ● SN75189N | DIP-14 | 4.5Vto5.5V | 0Drivers | 08F8140 | --- | |
| ● MC1489N | DIP-14 | 4.5Vto5.5V | 4Drivers | 60K6208 | 0.49 | |
| ● SN75C189N | DIP-14 | 4.5Vto6V | ... | 67K1134 | 0.10 | |
| ● SN75154N | DIP-16 | 4.5Vto5.5V | 4Drivers | 08F8079 | --- | |
| ● SN75189AD | SOIC-14 | 4.5Vto5.5V | 0Drivers | 08F8137 | 0.21 | |
| ● SN75189D | SOIC-14 | 4.5Vto5.5V | 4Drivers | 35K0843 | --- | |
| ● SN75154D | SOIC-16 | 4.5Vto5.5V | 4Drivers | 08F8078 | --- | |
| RS232 Transceiver | | | | | | |
| ● SN75C1406N | DIP-16 | ±4.5Vto±15V | 3Drivers | 60K6918 | --- | |
| ● MAX232ECN | DIP-16 | 4.5Vto5.5V | 2Drivers | 02M3654 | --- | |
| ● MAX232EIN | DIP-16 | 4.5Vto5.5V | 2Drivers | 02M3668 | --- | |
| ● MAX232N | DIP-16 | 4.5Vto5.5V | 2Drivers | 59K8220 | 0.69 | |
| ● MAX232IN | DIP-16 | 4.5Vto5.5V | 2Drivers | 92B8965 | --- | |
| ● SN75185N | DIP-20 | 4.5Vto5.5V | 3Drivers | 67K1145 | --- | |

► CONTINUED ►

► CONTINUED ►

RS-232 DRIVERS, RECEIVERS, AND TRANSCEIVERS (CONT.)

| Mfg. Part No. | Case Style | Supply Voltage | No. of Drivers | Stock No. | Price Each 1-9+ |
|--------------------------|------------|----------------|----------------|-----------|--------------------|
| RS232 Transceiver | | | | | |
| GD75232N | DIP-20 | 4.5Vto5.5V | 3Drivers | 67K2800 | --- |
| SN75155D | SOIC-8 | ±4.5Vto±15V | 1Drivers | 35K0838 | 0.93 |
| SN75C1406D | SOIC-16 | ±4.5Vto±15V | 3Drivers | 08F8020 | --- |
| SN75C1406DW | SOIC-16 | ±4.5Vto±15V | 3Drivers | 36K7624 | --- |
| MAX3232CDR | SOIC-16 | 3Vto5.5V | 2Drivers | 08J4993 | --- |
| TRSF3232EID | SOIC-16 | 3Vto5.5V | 2Drivers | 41M6010 | --- |
| MAX3232ECD | SOIC-16 | 3Vto5.5V | 2Drivers | 52K5768 | 0.83 |
| MAX3232ECDR | SOIC-16 | 3Vto5.5V | 2Drivers | 52K5771 | 1.04 |
| MAX3232EID | SOIC-16 | 3Vto5.5V | 2Drivers | 52K5776 | --- |
| MAX3232EIDB | SOIC-16 | 3Vto5.5V | 2Drivers | 52K5777 | --- |
| MAX3232EIDR | SOIC-16 | 3Vto5.5V | 2Drivers | 52K5779 | 1.62 |
| MAX3232EIDW | SOIC-16 | 3Vto5.5V | 2Drivers | 52K5780 | --- |
| MAX3232CD | SOIC-16 | 3Vto5.5V | 2Drivers | 75C0999 | --- |
| MAX3232CDW | SOIC-16 | 3Vto5.5V | 2Drivers | 75C1002 | --- |
| MAX3232ID | SOIC-16 | 3Vto5.5V | 2Drivers | 75C1005 | --- |
| MAX3232IDW | SOIC-16 | 3Vto5.5V | 2Drivers | 75C1008 | 1.24 |
| MAX3232DW | SOIC-16 | 4.5Vto5.5V | 2Drivers | 34K7924 | 0.73 |
| MAX3232D | SOIC-16 | 4.5Vto5.5V | 2Drivers | 35K4719 | --- |
| TRS202EID | SOIC-16 | 4.5Vto5.5V | 2Drivers | 71M0460 | --- |
| MAX232DR | SOIC-16 | 4.5Vto5.5V | 2Drivers | 75C0971 | --- |
| MAX232ID | SOIC-16 | 4.5Vto5.5V | 2Drivers | 75C0974 | --- |
| MAX202CD | SOIC-16 | 4.5Vto5.5V | 2Drivers | 82H4684 | 0.67 |
| MAX202CDW | SOIC-16 | 4.5Vto5.5V | 2Drivers | 82H4686 | --- |
| MAX202ID | SOIC-16 | 4.5Vto5.5V | 2Drivers | 82H4690 | 0.48 |
| MAX3222CDW | SOIC-20 | 3Vto5.5V | 2Drivers | 75C0984 | --- |
| MAX3223IDWR | SOIC-20 | 3Vto5.5V | 2Drivers | 75C0997 | --- |
| SN75185DW | SOIC-20 | 4.5Vto5.5V | 3Drivers | 91F3641 | 0.28 |
| SN75C185DW | SOIC-20 | 4.5Vto6V | 3Drivers | 08F8022 | --- |
| SN75LP1185DW | SOIC-20 | 4.75Vto5.25V | 3Drivers | 76C5244 | --- |
| MAX3243CDW | SOIC-28 | 3Vto5.5V | 3Drivers | 75C1016 | --- |
| SN65C3221DBR | SSOP-16 | 3Vto3.6V | 1Drivers | 75C7715 | --- |
| TRS3221ECDB | SSOP-16 | 3Vto5.5V | 1Drivers | 41M6154 | --- |
| TRS3221ECDR | SSOP-16 | 3Vto5.5V | 1Drivers | 41M6155 | --- |
| TRS3221EIDB | SSOP-16 | 3Vto5.5V | 1Drivers | 41M6158 | --- |
| TRS3221EIDBR | SSOP-16 | 3Vto5.5V | 1Drivers | 41M6159 | --- |
| MAX3221MDBREP | SSOP-16 | 3Vto5.5V | 1Drivers | 45M8058 | 6.06 |
| SN75C3221EDB | SSOP-16 | 3Vto5.5V | 1Drivers | 66K4284 | --- |
| MAX3227EIDB | SSOP-16 | 3Vto5.5V | 1Drivers | 80K2356 | --- |
| MAX3232ECDB | SSOP-16 | 3Vto5.5V | 2Drivers | 52K5769 | --- |
| MAX3232CDCR | SSOP-16 | 3Vto5.5V | 2Drivers | 75C1000 | 0.78 |
| MAX3232CDCB | SSOP-16 | 3Vto5.5V | 2Drivers | 87H1317 | --- |
| MAX3232IDB | SSOP-16 | 3Vto5.5V | 2Drivers | 87H1318 | --- |
| MAX3223EIDB | SSOP-20 | 3Vto5.5V | 2Drivers | 71K6696 | --- |
| MAX3223CDCBR | SSOP-20 | 3Vto5.5V | 2Drivers | 75C0991 | --- |
| MAX3222CDCB | SSOP-20 | 3Vto5.5V | 2Drivers | 87H1313 | --- |
| MAX3223IDB | SSOP-20 | 3Vto5.5V | 2Drivers | 87H1316 | --- |
| GD75232DBR | SSOP-20 | 4.5Vto5.5V | 3Drivers | 96B8287 | 0.23 |
| SN75LV4737ADBR | SSOP-28 | 3Vto5.5V | 3Drivers | 14C4247 | --- |
| TRS3243ECDB | SSOP-28 | 3Vto5.5V | 3Drivers | 41M6300 | --- |
| TRS3243ECDR | SSOP-28 | 3Vto5.5V | 3Drivers | 41M6301 | 0.61 |
| TRS3243EIDB | SSOP-28 | 3Vto5.5V | 3Drivers | 41M6306 | --- |
| TRS3243EIDBR | SSOP-28 | 3Vto5.5V | 3Drivers | 41M6307 | --- |
| MAX3243ECDB | SSOP-28 | 3Vto5.5V | 3Drivers | 43K3421 | --- |
| MAX3243CDCR | SSOP-28 | 3Vto5.5V | 3Drivers | 75C1015 | --- |
| MAX3243IDBR | SSOP-28 | 3Vto5.5V | 3Drivers | 75C1019 | 0.86 |
| MAX3238CDCR | SSOP-28 | 3Vto5.5V | 5Drivers | 75C1011 | --- |
| MAX211IDB | SSOP-28 | 4.5Vto5.5V | 4Drivers | 67H0512 | --- |
| MAX213IDB | SSOP-28 | 4.5Vto5.5V | 4Drivers | 71K6673 | --- |
| SN65C3221PWR | TSSOP-16 | 3Vto3.6V | 1Drivers | 75C7716 | --- |
| MAX3221CPW | TSSOP-16 | 3Vto5.5V | 1Drivers | 02H5279 | --- |
| MAX3221IPW | TSSOP-16 | 3Vto5.5V | 1Drivers | 02H5280 | --- |
| TRS3221ECPW | TSSOP-16 | 3Vto5.5V | 1Drivers | 41M6156 | --- |
| TRS3221ECPWR | TSSOP-16 | 3Vto5.5V | 1Drivers | 41M6157 | 0.68 |
| TRS3221EIPW | TSSOP-16 | 3Vto5.5V | 1Drivers | 41M6160 | --- |
| TRS3221EIPWR | TSSOP-16 | 3Vto5.5V | 1Drivers | 41M6161 | --- |
| SN75C3221EPW | TSSOP-16 | 3Vto5.5V | 1Drivers | 66K4286 | --- |
| MAX3221CPWR | TSSOP-16 | 3Vto5.5V | 1Drivers | 75C0980 | 0.73 |
| MAX3221IPWR | TSSOP-16 | 3Vto5.5V | 1Drivers | 75C0982 | --- |
| MAX3232CPW | TSSOP-16 | 3Vto5.5V | 2Drivers | 34K7925 | 1.15 |
| TRSF3232EIPW | TSSOP-16 | 3Vto5.5V | 2Drivers | 41M6018 | --- |
| TRSF3232EIPWR | TSSOP-16 | 3Vto5.5V | 2Drivers | 41M6019 | --- |

► CONTINUED ►

RS-232 DRIVERS, RECEIVERS, AND TRANSCEIVERS (CONT.)

| Mfg. Part No. | Case Style | Supply Voltage | No. of Drivers | Stock No. | Price Each 1-9+ |
|--------------------------|------------|----------------|----------------|-----------|--------------------|
| RS232 Transceiver | | | | | |
| MAX3232EIPW | TSSOP-16 | 3Vto5.5V | 2Drivers | 52K5782 | --- |
| MAX3232CPWR | TSSOP-16 | 3Vto5.5V | 2Drivers | 75C1004 | --- |
| TRS202EIPW | TSSOP-16 | 4.5Vto5.5V | 2Drivers | 71M0461 | --- |
| MAX202IPW | TSSOP-16 | 4.5Vto5.5V | 2Drivers | 82H4694 | --- |
| TRS3318ECPWR | TSSOP-20 | 2.25Vto3V | 2Drivers | 37M0085 | --- |
| TRS3318ECPW | TSSOP-20 | 2.25Vto3V | 2Drivers | 41M6325 | --- |
| TRS3318EIPW | TSSOP-20 | 2.25Vto3V | 2Drivers | 41M6328 | --- |
| MAX3318ECPW | TSSOP-20 | 2.25Vto3V | 2Drivers | 88K5477 | --- |
| MAX3318EIPW | TSSOP-20 | 2.25Vto3V | 2Drivers | 88K5481 | --- |
| SN75C3223PW | TSSOP-20 | 3Vto5.5V | 2Drivers | 32H6454 | --- |
| MAX3222EIPW | TSSOP-20 | 3Vto5.5V | 2Drivers | 71K6688 | --- |
| MAX3223ECPW | TSSOP-20 | 3Vto5.5V | 2Drivers | 71K6694 | --- |
| MAX3222CPWR | TSSOP-20 | 3Vto5.5V | 2Drivers | 75C0986 | 1.62 |
| MAX3223CPWR | TSSOP-20 | 3Vto5.5V | 2Drivers | 75C0994 | --- |
| MAX3223IPWR | TSSOP-20 | 3Vto5.5V | 2Drivers | 75C0998 | 1.78 |
| MAX3243IPW | TSSOP-28 | 3Vto5.5V | 3Drivers | 21H1152 | --- |
| TRS3243ECPW | TSSOP-28 | 3Vto5.5V | 3Drivers | 41M6304 | --- |
| TRS3243ECPWR | TSSOP-28 | 3Vto5.5V | 3Drivers | 41M6305 | --- |
| TRS3243EIPW | TSSOP-28 | 3Vto5.5V | 3Drivers | 41M6310 | --- |
| TRS3243EIPWR | TSSOP-28 | 3Vto5.5V | 3Drivers | 41M6311 | --- |
| MAX3243ECPW | TSSOP-28 | 3Vto5.5V | 3Drivers | 43K3425 | --- |
| MAX3243EIPW | TSSOP-28 | 3Vto5.5V | 3Drivers | 43K3431 | 0.83 |
| MAX3243IPW | TSSOP-28 | 3Vto5.5V | 3Drivers | 75C1022 | 0.33 |
| MAX3238IPW | TSSOP-28 | 3Vto5.5V | 5Drivers | 02H5288 | --- |
| SN75C3238PW | TSSOP-28 | 3Vto5.5V | 5Drivers | 02H5487 | --- |
| MAX3237ECPWR | TSSOP-28 | 3Vto5.5V | 5Drivers | 99K3246 | --- |

PIM_177445

RS-422 DRIVERS AND RECEIVERS



TEXAS INSTRUMENTS

Authorized Distributor

| Mfg. Part No. | Case Style | Supply Voltage | No. of Drivers | Stock No. | Price Each 1-9+ |
|-----------------------------------|------------|----------------|----------------|-----------|--------------------|
| Differential Line Driver | | | | | |
| SN75ALS191P | DIP-8 | 4.75Vto5.25V | 2Drivers | 76C5108 | --- |
| AM26C31IN | DIP-16 | 4.5Vto5.5V | 4Drivers | 74C7303 | --- |
| AM26C31IPW | TSSOP-16 | 4.5Vto5.5V | 4Drivers | 43J2168 | --- |
| Differential Line Receiver | | | | | |
| AM26C32CN | DIP-16 | 4.5Vto5.5V | 4Drivers | 69K7579 | 0.46 |
| AM26C32IN | DIP-16 | 4.5Vto5.5V | 4Drivers | 74C7309 | 1.37 |
| AM26LS32AIN | DIP-16 | 4.75Vto5.25V | 4Drivers | 67K0043 | --- |
| AM26LV32CD | SOIC-16 | 3Vto3.6V | 4Drivers | 34K0706 | 1.64 |
| Line | | | | | |
| AM26LS31CN | DIP-16 | 4.75Vto5.25V | 4Drivers | 60K0765 | 1.17 |
| RS422 / RS423 Receiver | | | | | |
| UA9637ACP | DIP-8 | 4.75Vto5.25V | 2Drivers | 60K7046 | --- |
| AM26LS32ACN | DIP-16 | 4.75Vto5.25V | 4Drivers | 60K0766 | --- |
| MC3486N | DIP-16 | 4.75Vto5.25V | 4Drivers | 60K6210 | 0.47 |
| UA9637ACD | SOIC-8 | 4.75Vto5.25V | 2Drivers | 09F1539 | --- |
| AM26C32ID | SOIC-16 | 4.5Vto5.5V | 4Drivers | 67C2528 | --- |
| AM26C32CDR | SOIC-16 | 4.5Vto5.5V | 4Drivers | 74C7307 | --- |
| AM26LS32ACD | SOIC-16 | 4.75Vto5.25V | 4Drivers | 06F1118 | --- |
| MC3486D | SOIC-16 | 4.75Vto5.25V | 4Drivers | 07F5164 | 0.63 |
| AM26LS32AID | SOIC-16 | 4.75Vto5.25V | 4Drivers | 36K7132 | --- |
| RS422 Driver | | | | | |
| UA9638CP | DIP-8 | 4.75Vto5.25V | 2Drivers | 60K7047 | 0.34 |
| AM26C31CN | DIP-16 | 4.5Vto5.5V | 4Drivers | 60K0764 | --- |
| MC3487N | DIP-16 | 4.75Vto5.25V | 4Drivers | 07F5179 | 0.35 |
| UA9638CD | SOIC-8 | 4.75Vto5.25V | 2Drivers | 67K2885 | --- |
| AM26LV31CD | SOIC-16 | 3Vto3.6V | 4Drivers | 74C7317 | --- |
| AM26C31CD | SOIC-16 | 4.5Vto5.5V | 4Drivers | 74C7297 | 1.19 |
| AM26LS31CD | SOIC-16 | 4.75Vto5.25V | 4Drivers | 06F1107 | --- |
| RS422 Transceiver | | | | | |
| SN75C1168PW | TSSOP-16 | 4.5Vto5.5V | 2Drivers | 02H5485 | 0.76 |
| RS485 Transceiver | | | | | |
| SN75C1168N | DIP-16 | 4.5Vto5.5V | 2Drivers | 99B3669 | --- |

PIM_177446

INTERFACE & I/O CONTROLLER ICS

RS-485 DRIVERS, RECEIVERS, AND TRANSCEIVERS



TEXAS INSTRUMENTS
Authorized Distributor

RS-485, also known as TIA-485(-A), EIA-485, is a standard defining the electrical characteristics of drivers and receivers for use in serial communications systems.

RS-485 supports inexpensive local networks and multidrop communications links, using the same differential balanced line over twisted pair as RS-422. It is generally accepted that RS-485 can be used with data rates up to 10 Mbit/s and distances up to 1,200 m (4,000 ft), but not at the same time.

SN65 series - for operation at temperatures from -40°C to 85°C

SN75 series - for operation at temperatures from 0°C to 70°C

Suffix. D = SOIC; R = Reel (full reel); EP = Enhanced Product (High Reliability, Tested at -55C to +125C); T = is calling out tiny reel

| Mfg. Part No. | Case Style | Supply Voltage | No. of Drivers | Stock No. | Price Each |
|---------------------------------------|------------|----------------|----------------|-----------|------------|
| | | | | 1-9+ | |
| Differential Line | | | | | |
| ● SN75174N | DIP-16 | 4.75Vto5.25V | 4Drivers | 60K6927 | 2.22 |
| ● SN65LBC172AN | DIP-16 | 4.75Vto5.25V | 4Drivers | 75C7769 | --- |
| ● SN75172DW | SOIC-20 | 4.75Vto5.25V | 4Drivers | 08F8098 | --- |
| ● SN75LBC174DW | SOIC-20 | 4.75Vto5.25V | 4Drivers | 76C5198 | --- |
| Differential Line Receiver | | | | | |
| ● SN75173N | DIP-16 | 4.75Vto5.25V | 4Drivers | 63K6423 | --- |
| ● SN75ALS173N | DIP-16 | 4.75Vto5.25V | 4Drivers | 67K1128 | --- |
| ● SN75LBC175D | SOIC-16 | 4.75Vto5.25V | 4Drivers | 35K4893 | --- |
| ● SN75175D | SOIC-16 | 4.75Vto5.25V | 4Drivers | 36K3556 | 1.99 |
| ● SN65LBC173D | SOIC-16 | 4.75Vto5.25V | 4Drivers | 72C4070 | --- |
| ● SN75LBC173D | SOIC-16 | 4.75Vto5.25V | 4Drivers | 76C5193 | --- |
| Differential Transceiver | | | | | |
| ● SN75176BP | DIP-8 | 4.75Vto5.25V | 1Drivers | 60K6929 | --- |
| ● SN75176BD | SOIC-8 | 4.75Vto5.25V | 1Drivers | 08F8127 | --- |
| ● SN65LBC182D | SOIC-8 | 4.75Vto5.25V | 1Drivers | 75C7809 | --- |
| Line | | | | | |
| ● SN75172N | DIP-16 | 4.75Vto5.25V | 4Drivers | 60K6926 | --- |
| ● SN65176BD | SOIC-8 | 4.75Vto5.25V | 1Drivers | 08F5891 | --- |
| ● SN65ALS176D | SOIC-8 | 4.75Vto5.25V | 1Drivers | 35K0739 | --- |
| Line Driver | | | | | |
| ● SN75ALS174AN | DIP-16 | 4.75Vto5.25V | 4Drivers | 91F3648 | --- |
| Line Driver / Receiver | | | | | |
| ● SN65HVD1791D | SOIC-14 | 4.5Vto5.5V | 1Drivers | 08P3879 | --- |
| RS422 / RS423 / RS485 Receiver | | | | | |
| ● SN75173D | SOIC-16 | 4.75Vto5.25V | 4Drivers | 08F8102 | --- |
| RS422 / RS423 Receiver | | | | | |
| ● SN75175N | DIP-16 | 4.75Vto5.25V | 4Drivers | 60K6928 | --- |
| RS422 / RS485 Transceiver | | | | | |
| ● SN75ALS180N | DIP-14 | 4.75Vto5.25V | 1Drivers | 08F8013 | --- |
| ● SN75ALS181N | DIP-14 | 4.75Vto5.25V | 1Drivers | 76C5105 | --- |
| ● SN65HVD33D | SOIC-8 | 3Vto3.6V | 1Drivers | 61K1684 | 0.80 |
| ● SN65HVD30DR | SOIC-8 | 3Vto3.6V | 1Drivers | 84K3663 | --- |
| ● SN65HVD31D | SOIC-8 | 3Vto3.6V | 1Drivers | 84K3664 | --- |
| ● SN65HVD32DR | SOIC-8 | 3Vto3.6V | 1Drivers | 84K3667 | --- |
| ● SN65HVD379D | SOIC-8 | 3Vto3.6V | 1Drivers | 84K3668 | --- |
| ● SN65HVD1794D | SOIC-8 | 4.5Vto5.5V | 1Drivers | 34P6330 | --- |
| ● SN65HVD179D | SOIC-8 | 4.5Vto5.5V | 1Drivers | 84K3660 | --- |
| ● SN65HVD50D | SOIC-8 | 4.5Vto5.5V | 1Drivers | 84K3670 | --- |
| ● SN65HVD33DR | SOIC-14 | 3Vto3.6V | 1Drivers | 61K1685 | 3.26 |
| ● SN65HVD34D | SOIC-14 | 3Vto3.6V | 1Drivers | 61K1686 | --- |
| ● SN65HVD34DR | SOIC-14 | 3Vto3.6V | 1Drivers | 61K1687 | 1.78 |
| ● SN65HVD35DR | SOIC-14 | 3Vto3.6V | 1Drivers | 61K1689 | --- |
| ● SN65ALS180D | SOIC-14 | 4.75Vto5.25V | 1Drivers | 35K0740 | --- |
| ● SN75ALS180D | SOIC-14 | 4.75Vto5.25V | 1Drivers | 52F2693 | 2.04 |
| RS485 Transceiver | | | | | |
| ● SN65HVD12P | DIP-8 | 3Vto3.6V | 1Drivers | 75C7743 | --- |
| ● SN65HVD1781P | DIP-8 | 3.3Vto5V | 1Drivers | 08R2504 | --- |
| ● SN65HVD21P | DIP-8 | 4.5Vto5.5V | 1Drivers | 22H0103 | --- |
| ● SN65HVD3082EP | DIP-8 | 4.5Vto5.5V | 1Drivers | 61H5398 | --- |
| ● SN75LBC184P | DIP-8 | 4.75Vto5.25V | 1Drivers | 36K7625 | --- |
| ● SN65LBC176AP | DIP-8 | 4.75Vto5.25V | 1Drivers | 75C7789 | --- |
| ● SN65LBC179P | DIP-8 | 4.75Vto5.25V | 1Drivers | 75C7801 | --- |
| ● SN65LBC180N | DIP-14 | 4.75Vto5.25V | 1Drivers | 75C7808 | --- |
| ● SN75LBC180AN | DIP-14 | 4.75Vto5.25V | 1Drivers | 76C5215 | --- |
| ● SN75LBC180N | DIP-14 | 4.75Vto5.25V | 1Drivers | 92B8970 | --- |
| ● SN75LBC179AP | DIP-50 | 4.75Vto5.25V | 1Drivers | 76C5210 | --- |
| ● SN65HVD3085EDGKR | MSOP-8 | 4.5Vto5.5V | 1Drivers | 21J8893 | 1.22 |
| ● SN65HVD10QD | SOIC-8 | 3Vto3.6V | 1Drivers | 22H0094 | --- |
| ● SN65HVD12D | SOIC-8 | 3Vto3.6V | 1Drivers | 58K2335 | --- |
| ● SN65HVD10D | SOIC-8 | 3Vto3.6V | 1Drivers | 72K9420 | 2.54 |
| ● SN65HVD11D | SOIC-8 | 3Vto3.6V | 1Drivers | 72K9421 | 2.54 |
| ● SN75HVD10D | SOIC-8 | 3Vto3.6V | 1Drivers | 76C5167 | --- |
| ● SN75HVD11D | SOIC-8 | 3Vto3.6V | 1Drivers | 76C5170 | --- |

► CONTINUED ►

RS-485 DRIVERS, RECEIVERS, AND TRANSCEIVERS (CONT.)

| Mfg. Part No. | Case Style | Supply Voltage | No. of Drivers | Stock No. | Price Each |
|--------------------------|------------|----------------|----------------|-----------|------------|
| | | | | Stock No. | 1-9+ |
| RS485 Transceiver | | | | | |
| ● SN75HVD12D | SOIC-8 | 3Vto3.6V | 1Drivers | 76C5173 | --- |
| ● SN75HVD12DR | SOIC-8 | 3Vto3.6V | 1Drivers | 76C5174 | 3.03 |
| ● SN65HVD08D | SOIC-8 | 3Vto5.5V | 1Drivers | 17M9320 | 4.96 |
| ● SN75HVD08D | SOIC-8 | 3Vto5.5V | 1Drivers | 32H6456 | --- |
| ● SN65HVD1781D | SOIC-8 | 3.15Vto5.5V | 1Drivers | 85M0100 | --- |
| ● SN65HVD22D | SOIC-8 | 4.5Vto5.5V | 1Drivers | 16M2474 | --- |
| ● SN65HVD3085ED | SOIC-8 | 4.5Vto5.5V | 1Drivers | 21J8891 | --- |
| ● SN65HVD3088ED | SOIC-8 | 4.5Vto5.5V | 1Drivers | 21J8895 | --- |
| ● SN65HVD485ED | SOIC-8 | 4.5Vto5.5V | 1Drivers | 21J8899 | --- |
| ● SN65HVD485EDR | SOIC-8 | 4.5Vto5.5V | 1Drivers | 21J8902 | --- |
| ● SN65HVD3082ED | SOIC-8 | 4.5Vto5.5V | 1Drivers | 61H5396 | --- |
| ● SN65HVD3082EDR | SOIC-8 | 4.5Vto5.5V | 1Drivers | 61H5397 | --- |
| ● SN65HVD24D | SOIC-8 | 4.5Vto5.5V | 1Drivers | 73H4411 | --- |
| ● SN65HVD1785D | SOIC-8 | 4.5Vto5.5V | 1Drivers | 94M9570 | --- |
| ● SN65LBC176AD | SOIC-8 | 4.75Vto5.25V | 1Drivers | 29C2991 | --- |
| ● SN65LBC184DR | SOIC-8 | 4.75Vto5.25V | 1Drivers | 75C7812 | --- |
| ● SN75LBC179AD | SOIC-8 | 4.75Vto5.25V | 1Drivers | 76C5208 | 1.35 |
| ● SN75LBC182D | SOIC-8 | 4.75Vto5.25V | 1Drivers | 76C5217 | --- |
| ● SN75LBC184DR | SOIC-8 | 4.75Vto5.25V | 1Drivers | 76C5220 | --- |
| ● SN65HVD1176D | SOIC-8 | 4.75Vto5.25V | 1Drivers | 82H5435 | --- |
| ● SN75HVD1176D | SOIC-8 | 4.75Vto5.25V | 1Drivers | 82H5798 | --- |
| ● SN75LBC184D | SOIC-8 | 4.75Vto5.25V | 1Drivers | 83F9186 | --- |
| ● SN65HVD96D | SOIC-8 | 4.75Vto5.25V | 1Drivers | 79R8400 | --- |
| ● SN65LBC180AD | SOIC-14 | 4.75Vto5.25V | 1Drivers | 75C7804 | --- |
| ● SN75LBC180AD | SOIC-50 | 4.75Vto5.25V | 1Drivers | 76C5213 | --- |
| Transceiver | | | | | |
| ● SN75ALS1177N | DIP-16 | 4.75Vto5.25V | 2Drivers | 76C5084 | --- |
| ● SN65HVD37D | SOIC-14 | 3Vto3.6V | 1Drivers | 82T4169 | --- |
| ● SN65HVD1792D | SOIC-14 | 4.5Vto5.5V | 1Drivers | 34P6326 | --- |
| ● SN65HVD1793D | SOIC-14 | 4.5Vto5.5V | 1Drivers | 34P6328 | --- |
| ● SN75LBC172A16DW | SOIC-16 | 4.75Vto5.25V | 4Drivers | 73H4600 | --- |
| ● SN75LBC174A16DW | SOIC-16 | 4.75Vto5.25V | 4Drivers | 73H4602 | --- |
| ● SN65LBC172A16DW | SOIC-16 | 4.75Vto5.25V | 4Drivers | 74M8372 | 1.42 |
| ● SN65LBC175D | SOIC-16 | 4.75Vto5.25V | 4Drivers | 75C7784 | --- |
| ● SN75LBC173AD | SOIC-16 | 4.75Vto5.25V | 4Drivers | 76C5190 | --- |
| ● SN75LBC172ADW | SOIC-20 | 4.75Vto5.25V | 4Drivers | 34C4125 | --- |

PIM_177447

LVDS DRIVERS AND RECEIVERS



FAIRCHILD
TM

Applications:

- Mobile Handsets
- Media Tablets
- Wireless LAN Card & Broadband Access
- Storage & Peripherals
- PMP/MP3 Players

FIN1001: 3.3V LVDS 1-Bit High Speed Differential Driver. The driver translates LVTTTL signal levels to LVDS levels with a typical differential output swing of 350 mV which provides low EMI at ultra low power dissipation even at high frequencies.

FIN1002: 3.3V LVDS 1-Bit High Speed Differential Receiver. The receiver translates LVDS levels, with a typical differential input threshold of 100 mV, to LVTTTL signal levels. LVDS provides low EMI at ultra low power dissipation even at high frequencies.

FIN104: LVDS 4 Port High Speed Repeater; **FIN108:** LVDS 8 Port High Speed Repeater. Repeaters are designed for high-speed interconnects utilizing Low Voltage Differential Signaling (LVDS) technology.

| Mfg. Part No. | Case Style | Signaling Rate | Peak-to-Peak Jitter Max | Stock No. | Tape Cut |
|--|------------|----------------|-------------------------|-----------|----------|
| | | | | Stock No. | 1-24+ |
| Differential Driver, 3V to 3.6V | | | | | |
| ● FIN1001M5X | SOT-23-5 | 600Mbps | 1ns | 82C2736 | 0.83 |
| Differential Receiver, 3V to 3.6V | | | | | |
| ● FIN1002M5X | SOT-23-5 | 400Mbps | 1ns | 82C2738 | 0.56 |
| LVDS Repeater, 3V to 3.6V | | | | | |
| ● FIN1104MTCX | TSSOP-24 | 800Mbps | 135ps | 82C2773 | 0.96 |
| ● FIN1104MTC | TSSOP-24 | 800Mbps | 85ps | 82C2772 | --- |
| ● FIN1108MTD | TSSOP-48 | 800Mbps | 135ps | 28H9763 | 2.23 |

PIM_88511

ANALOG INTERFACE - LVDS CIRCUITS



TEXAS INSTRUMENTS
Authorized Distributor

Applications:

- Multidrop / Multipoint Clock and Data Distribution
- High-Speed, LowPower, Short-Reach Alternative
- Clock Distribution in Advanced TCA (ATCA) and MicroTCA (μTCA, μTCA) Backplanes

Low-voltage differential signaling, or LVDS, also known as TIA/EIA-644, is a technical standard that specifies electrical characteristics of a differential, serial communications protocol. LVDS operates at low power and can run at very high speeds using inexpensive twisted-pair copper cables.

► CONTINUED ►

LVDS/ECL/PECL TRANSLATORS

ANALOG INTERFACE - LVDS CIRCUITS (CONT.)

| Single-Ended to Differential LVDS PHY Overview | | | | |
|--|---|--|--|---|
| | Drivers | Receivers | Transceivers | 1:6 Repeater |
| Single: | DS90LV011A (SOT23-5, LLP-8) DS90LV017A | DS90LV012A (SOT23-5, LLP-8) DS90LV018A | DS90LV019 (LVDS) DS92LV010A (Bus LVDS) DS91C176/ D176 (M-LVDS) | |
| Dual: | DS90LV027A DS90C401 (5V) | DS90LV028A DS90C402 (5V) | | |
| Quad: | DS90LV047A DS90C031 (5V) | DS90LV048A DS90C032 (5V) | DS92LV040A | |
| 9-Ch: | | | DS92LV090A SCAN92LV090 (JTAG) | DS92CK16 (LVTTL to LVTTL or LVDS to LVTTL) |
| Drivers and Receivers: | Single: DS91C180/D180 (M-LVDS) Dual: DS90LV049 DS36C200 (5V) | | | |

| Mfg. Part No. | Case Style | Signaling Rate | Peak-to-Peak Jitter Max | Stock No. | Price Each |
|--|------------|----------------|-------------------------|-----------|------------|
| | | | | | 1-9+ |
| 3V to 3.6V | | | | | |
| ● DS99R421QSQ/NOPB | LLP-36 | 1.03Gbps | 100ps | 08N3578 | --- |
| ● DS91M124TMA/NOPB | SOIC-16 | 250Mbps | 250ps | 40P2711 | --- |
| ● DS91M125TMA/NOPB | SOIC-16 | 250Mbps | 250ps | 40P2712 | --- |
| LVDS Differential Line Driver, 3V to 3.6V | | | | | |
| ● DS90LV017ATM/NOPB | SOIC-8 | 600Mbps | 1.2ns | 41K2069 | --- |
| ● DS90LV031ATM/NOPB | SOIC-16 | 400Mbps | 1.2ns | 41K2084 | --- |
| ● DS90LV047ATM/NOPB | SOIC-16 | 400Mbps | 1.2ns | 41K2093 | 1.28 |
| ● DS90LV011ATMF/NOPB | SOT-23-5 | 400Mbps | 1.2ns | 41K2063 | 0.41 |
| ● DS90LV031ATMTC/NOPB | TSSOP-16 | 400Mbps | 1.2ns | 41K2085 | --- |
| ● DS90LV047ATMTC/NOPB | TSSOP-16 | 400Mbps | 1.2ns | 41K2094 | --- |
| LVDS Differential Line Driver, 4.5V to 5.5V | | | | | |
| ● DS90C031BTM/NOPB | SOIC-16 | 155.5Mbps | 600ps | 41K2025 | --- |
| ● DS90C031TM/NOPB | SOIC-16 | 155.5Mbps | 600ps | 41K2027 | 0.86 |
| LVDS Differential Line Receiver, 2.7V to 3.6V | | | | | |
| ● DS90LV012ATMF/NOPB | SOT-23-5 | 400Mbps | 1.5ns | 41K2067 | --- |
| LVDS Differential Line Receiver, 3V to 3.6V | | | | | |
| ● DS90LV018ATM/NOPB | SOIC-8 | 400Mbps | 1.5ns | 41K2073 | --- |
| ● DS90LV018ATMX/NOPB | SOIC-8 | 400Mbps | 1.5ns | 41K2074 | 0.58 |
| DS90LV048ATM | SOIC-16 | 400Mbps | 1.5ns | 48F5644 | 1.69 |
| ● DS90LV048ATMTC/NOPB | TSSOP-16 | 400Mbps | 1.5ns | 41K2097 | --- |
| LVDS Differential Line Receiver, 4.5V to 5.5V | | | | | |
| ● DS90C032BTM/NOPB | SOIC-16 | 155.5Mbps | 1ns | 41K2029 | --- |
| ● DS90C032TM/NOPB | SOIC-16 | 155.5Mbps | 1ns | 41K2031 | --- |
| LVDS Receiver, 3V to 3.6V | | | | | |
| ● DS90CR216MTD/NOPB | TSSOP-48 | 1.386Gbps | 490ps | 41K1991 | --- |
| ● DS90CR288AMTD/NOPB | TSSOP-56 | 2.38Gbps | 150ns | 41K2011 | --- |
| LVDS Receiver, 4.5V to 5.5V | | | | | |
| ● DS90C402M/NOPB | SOIC-8 | 155.5Mbps | 1.5ns | 41K2052 | 2.41 |
| LVDS Repeater, 3V to 3.6V | | | | | |
| ● DS10BR254TSQ/NOPB | WQFN-40 | 1.5Gbps | 22ps | 78M7724 | 1.94 |
| LVDS Transceiver, 3V to 3.6V | | | | | |
| ● DS91M040TSQE/NOPB | LLP-32 | 250Mbps | 4ns | 11N9017 | --- |
| ● DS91C176TMA/NOPB | SOIC-8 | 200Mbps | 2.5ps | 99K2043 | --- |
| ● DS90C387VJD/NOPB | TQFP-100 | 672Mbps | 120ps | 41K2048 | --- |
| DS90LV019TM | TSSOP-14 | 100Mbps | 1ns | 83F4629 | --- |
| ● DS90LV019TMT/NOPB | TSSOP-14 | 100Mbps | 1ns | 41K2075 | 2.91 |
| ● DS90LV049TMT/NOPB | TSSOP-16 | 400Mbps | 1ns | 41K2100 | --- |
| ● DS90LV049HMT/NOPB | TSSOP-16 | 400Mbps | 1ns | 69K2123 | --- |
| ● DS90CR285MTD/NOPB | TSSOP-56 | 1.848Gbps | 250ps | 41K2003 | 1.87 |
| Transceiver, 3V to 3.6V | | | | | |
| ● DS92LV010ATM/NOPB | SOIC-8 | 100Mbps | 2ns | 41K2108 | 1.85 |

PIM_70658

RS-232 LINE DRIVER/RECEIVER



AHEAD OF WHAT'S POSSIBLE™

- Applications:**
- Isolated RS-232 interface
 - High noise data communications

- Industrial communications
- Industrial/telecommunications diagnostic ports
- Medical equipment

► CONTINUED ►

RS-232 LINE DRIVER/RECEIVER (CONT.)

The ADM3252E is a high speed, 2.5 kV, fully isolated, dual-channel RS-232/V.28 transceiver device that is operational from a single 3.3 V or 5 V power supply. Because of high ESD protection on the RIN1, RIN2, TOUT1, and TOUT2 pins, the ADM3252E is ideally suited for operation in electrically harsh environments or where RS-232 cables are frequently plugged and unplugged. The ADM3252E provides four independent isolation channels using the integrated and isolated power of isoPower®. There is no requirement to use a separate isolated dc-to-dc converter. Chip scale transformer (iCoupler®) technology from Analog Devices, Inc., is used for both the isolation of the logic signals and the integrated dc-to-dc converter. The result is a total isolation solution.

| Mfg. Part No. | Case Style | Supply Voltage | No. of Drivers | Stock No. | Price Each |
|--------------------------|--|----------------|----------------|-----------|------------|
| | | | | | 1-9+ |
| RS232 Transceiver | | | | | |
| ● ADM3251EARWZ-REEL | SOIC-20 | 4.5Vto5.5V | 1Drivers | 24W8478 | --- |
| Transceiver | | | | | |
| ● ADM3252EABCZ | BGA-44 | 3Vto5.5V | 1Drivers | 93T9957 | --- |
| Accessories | | | | | |
| Mfg. Part No. | Description | | | Stock No. | Price Each |
| ● EVAL-ADM325EEBZ | Evaluation Board for Isolated Dual Channel Transceiver | | | 94T0870 | --- |
| PIM_207460 | | | | | |

iSENSOR MEMS INERTIAL MEASUREMENT UNITS (IMUs)



AHEAD OF WHAT'S POSSIBLE™



| Mfg. Part No. | Stock No. | Price Each |
|-----------------|-----------|------------|
| | | 1-4+ |
| ● ADIS16405BMLZ | 51P3726 | --- |
| ● ADIS16362BMLZ | 33R2682 | --- |
| ● ADIS16364BMLZ | 51P3724 | --- |
| ● ADIS16334BMLZ | 31T9263 | --- |
| ● ADIS16365BMLZ | 39Y2653 | --- |
| ● ADIS16375BMLZ | 40Y6127 | --- |
| ● ADIS16460AMLZ | 80Y1962 | --- |
| ● ADIS16488BMLZ | 41X3201 | --- |
| ● ADIS16488CMLZ | 41X3202 | --- |
| PIM_203502 | | |

PRESSURE SENSORS



This series of silicon piezoresistive pressure sensors provide a very accurate and linear voltage output — directly proportional to the applied pressure. These standard, low-cost, uncompensated sensors permit manufacturers to design and add their own external temperature compensation and signal conditioning networks.

| Mfg. Part No. | Sensitivity | Operating Pressure | Case Style | Stock No. | Price Each |
|---------------------|-------------|--------------------|-------------|-----------|------------|
| | | | | | 1-9+ |
| Absolute | | | | | |
| ● MPX2202AS | 0.2mV/kPa | 0 kPa to 200 kPa | MPAK-5 Pins | 26C1091 | 10.17 |
| ● MPX2200A | 0.2mV/kPa | 0 kPa to 200 kPa | SIP-4 Pins | 07F9866 | 9.83 |
| ● MPX2200AP | 0.2mV/kPa | 0 kPa to 200 kPa | SIP-4 Pins | 07F9867 | 15.22 |
| ● MPX2202AP | 0.2mV/kPa | 0 kPa to 200 kPa | SIP-4 Pins | 75C3933 | 9.71 |
| ● MPXM2102AS | 0.4mV/kPa | 0 kPa to 100 kPa | MPAK-5 Pins | 26C1089 | 10.17 |
| ● MPXM2102A | 0.4mV/kPa | 0 kPa to 100 kPa | MPAK-4 Pins | 26C1088 | 5.96 |
| ● MPXM2102AST1 | 0.4mV/kPa | 0 kPa to 100 kPa | MPAK-4 Pins | 75C3879 | 5.81 |
| ● MPX2102AP | 0.4mV/kPa | 0 kPa to 100 kPa | SIP-4 Pins | 31C0665 | 9.83 |
| ● MPX2100AP | 0.4mV/kPa | 0 kPa to 100 kPa | SIP-4 Pins | 07F9849 | 16.74 |
| ● MPX2102ASX | 0.4mV/kPa | 0 kPa to 100 kPa | SIP-4 Pins | 75C3927 | --- |
| Differential | | | | | |
| ● MPX2300DT1 | ... | 0 kPa to 40 kPa | SIP-4 Pins | 66F7152 | 6.89 |
| ● MPX2200DP | 0.2mV/kPa | 0 kPa to 200 kPa | SIP-4 Pins | 07F9871 | 17.53 |
| ● MPX2202DP | 0.2mV/kPa | 0 kPa to 200 kPa | SIP-4 Pins | 75C3936 | 9.83 |
| ● MPX2100DP | 0.4mV/kPa | 0 kPa to 100 kPa | SIP-4 Pins | 07F9853 | 9.83 |
| ● MPX2100D | 0.4mV/kPa | 0 kPa to 100 kPa | SIP-4 Pins | 07F9852 | 9.83 |
| ● MPX2102DP | 0.4mV/kPa | 0 kPa to 100 kPa | SIP-4 Pins | 75C3928 | --- |
| ● MPX2050D | 0.8mV/kPa | 0 kPa to 50 kPa | SIP-4 Pins | 07F9828 | 9.83 |
| ● MPX2050DP | 0.8mV/kPa | 0 kPa to 50 kPa | SIP-4 Pins | 48F6766 | 15.22 |
| ● MPXV2053DP | 0.8mV/kPa | 0 kPa to 50 kPa | SOP-8 Pins | 75C3890 | --- |
| ● MPX53D | 1.2mV/kPa | 0 kPa to 50 kPa | SIP-4 Pins | 95B4481 | 7.22 |
| ● MPXM2010D | 2.5mV/kPa | 0 kPa to 10 kPa | MPAK-4 Pins | 25C4133 | 5.96 |

► CONTINUED ►

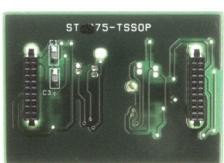
1 SENSOR ICS

PRESSURE SENSORS (CONT.)

| Mfg. Part No. | Sensitivity | Operating Pressure | Case Style | Stock No. | Price Each |
|---------------------|-------------|--------------------|-------------|-----------|------------|
| 1-9+ | | | | | |
| Differential | | | | | |
| ● MPXC2011DT1 | 2.5mV/kPa | 0 kPa to 10 kPa | SIP-4 Pins | 20C2917 | --- |
| ● MPX2010DP | 2.5mV/kPa | 0 kPa to 10 kPa | SIP-4 Pins | 07F9816 | 14.46 |
| ● MPX2010D | 2.5mV/kPa | 0 kPa to 10 kPa | SIP-4 Pins | 07F9815 | 9.83 |
| ● MPXV2010GP | 2.5mV/kPa | 0 kPa to 10 kPa | SOP-8 Pins | 75C3889 | 8.76 |
| ● MPXV2010DP | 2.5mV/kPa | 0 kPa to 10 kPa | SOP-8 Pins | 75C3888 | 7.96 |
| ● MPX10D | 3.5mV/kPa | 0 kPa to 10 kPa | SIP-4 Pins | 07F9771 | 7.33 |
| ● MPX10DP | 3.5mV/kPa | 0 kPa to 10 kPa | SIP-4 Pins | 07F9772 | 10.57 |
| Gauge | | | | | |
| ● MPXM2202GS | 0.2mV/kPa | 0 kPa to 200 kPa | MPAK-5 Pins | 26C1093 | --- |
| ● MPX2200GP | 0.2mV/kPa | 0 kPa to 200 kPa | SIP-4 Pins | 48F6770 | 16.74 |
| ● MPXM2202GP | 0.2mV/kPa | 0 kPa to 200 kPa | SIP-4 Pins | 29C6803 | 8.06 |
| ● MPXV2202GP | 0.2mV/kPa | 0 kPa to 200 kPa | SOP-8 Pins | 75C3895 | --- |
| ● MPXM2102GS | 0.4mV/kPa | 0 kPa to 100 kPa | MPAK-4 Pins | 25C4138 | 8.05 |
| ● MPXV2102GP | 0.4mV/kPa | 0 kPa to 100 kPa | SOP-8 Pins | 75C3893 | --- |
| ● MPXM2053GS | 0.8mV/kPa | 0 kPa to 50 kPa | MPAK-5 Pins | 25C4136 | 6.03 |
| ● MPX2050GSX | 0.8mV/kPa | 0 kPa to 50 kPa | SIP-4 Pins | 07F9832 | --- |
| ● MPX2050GP | 0.8mV/kPa | 0 kPa to 50 kPa | SIP-4 Pins | 48F6767 | --- |
| ● MPXM2010GS | 2.5mV/kPa | 0 kPa to 10 kPa | MPAK-5 Pins | 25C4134 | 6.58 |
| ● MPXM2010GST1 | 2.5mV/kPa | 0 kPa to 10 kPa | MPAK-4 Pins | 75C3876 | --- |
| ● MPX2010GP | 2.5mV/kPa | 0 kPa to 10 kPa | SIP-4 Pins | 07F9817 | 15.22 |
| ● MPX2010GSX | 2.5mV/kPa | 0 kPa to 10 kPa | SIP-4 Pins | 07F9819 | 9.83 |
| ● MPX10GP | 3.5mV/kPa | 0 kPa to 10 kPa | SIP-4 Pins | 48F6765 | 8.05 |
| ● MPXV10GC7U | 3.5mV/kPa | 0 kPa to 10 kPa | SOP-8 Pins | 95B4475 | 8.53 |

PIM_19531

TEMPERATURE SENSORS



The LM335 is a precision temperature sensor which can be easily calibrated. It operates as a 2-terminal Zener and the breakdown voltage is directly proportional to the absolute temperature 10 mV/K

| Mfg. Part No. | Supply Voltage | Output Type | Temp. Min | Temp. Max | Accuracy | Case Style | Stock No. | Price Each |
|---------------|----------------|-------------|-----------|-----------|----------|------------|-----------|------------|
| 1-9+ | | | | | | | | |
| ● LM335AZ | ... | Voltage | -40 °C | +100 °C | ± 1°C | 3-TO-92 | 89K1311 | --- |
| ● LM335Z | ... | Voltage | -40 °C | +100 °C | ± 1°C | 3-TO-92 | 89K1312 | --- |
| ● LM234DT | 1V to 40V | Current | -25 °C | 100 °C | ± 3% | 8-SO | 89K1294 | 2.14 |

PIM_83735

ACS71X FULLY INTEGRATED, HALL EFFECT-BASED LINEAR CURRENT SENSORS



Features

- Low-noise analog signal path
- Device bandwidth is set via the new FILTER pin
- 5 µs output rise time in response to step input current
- 50 kHz bandwidth
- Total output error 1.5% at TA = 25°C, and 4% at -40°C to 85°C
- Small footprint, low-profile SOIC8 package

The Allegro® ACS712 and ACS713 provide economical and precise solutions for AC (ACS712) or DC (ACS713) current sensing in industrial, automotive, commercial, and communications systems. The device package allows for easy implementation by the customer. Typical applications include motor control, load detection and management, switched-mode power supplies, and overcurrent fault protection.

| Mfg. Part No. | Supply Voltage | Quiescent Current | Bandwidth | Case Style | Stock No. | Tape Cut |
|---------------------|----------------|-------------------|-----------|------------|-----------|----------|
| 1-24+ | | | | | | |
| ● ACS712ELCTR-05B-T | 4.5V to 5.5V | 8 mA | 80 kHz | 8-SOIC | 27M3644 | 5.64 |
| ● ACS712ELCTR-30A-T | ... | 10 mA | 80 kHz | 8-SOIC | 30M9922 | 5.64 |

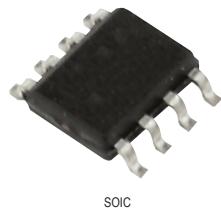
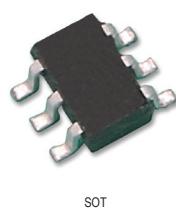
► CONTINUED ►

ACS71X FULLY INTEGRATED, HALL EFFECT-BASED LINEAR CURRENT SENSORS (CONT.)

| Mfg. Part No. | Supply Voltage | Quiescent Current | Bandwidth | Case Style | Stock No. | Tape Cut |
|---------------------|----------------|-------------------|-----------|------------|-----------|----------|
| 1-24+ | | | | | | |
| ● ACS713ELCTR-20A-T | ... | ... | 80 kHz | 8-SOIC | 30M9923 | 5.64 |
| ● ACS713ELCTR-30A-T | ... | ... | 80 kHz | 8-SOIC | 30M9924 | --- |
| ● ACS712ELCTR-20A-T | 4.5V to 5.5V | 10 mA | 80 kHz | 8-SOIC | 31M3133 | 5.64 |

PIM_90404

74LVC SERIES LOW-VOLTAGE CMOS



Features:

- Mounting Type: Surface Mount
- Count Rate: 150MHz
- Number of Bits per Element: 4
- Direction: Up
- Timing: Synchronous
- Logic Type: Binary Counter
- Trigger Type: Positive Edge

Designed for 3V power supplies, feature 0.8µ CMOS process technology, 24mA current. 74LVC (low voltage CMOS) logic devices provide the low power consumption of CMOS, offers direct LVTTL level interfacing, supports live insertion, and is guaranteed for industrial operating temperatures. The LVC family is an excellent, cost-effective solution for migrating from 5VHCMOS, ACT, and FAST into a lower power, lower voltage system.

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut |
|---|------------|----------------|-----------|----------|
| 1-9+ | | | | |
| Buffer, Inverting | | | | |
| ● SN74LVC06AD | SOIC-14 | 1.65 V-3.6 V | 67K2859 | 0.14 |
| ● SN74LVC1G06DBVR | SOT-23-5 | 1.65 V-5.5 V | 76C4073 | --- |
| Buffer, Non Inverting | | | | |
| ● SN74LVC244AN | DIP-20 | 1.65 V-5.5 V | 67K1104 | 0.24 |
| ● SN74LVC1G125DCR | SC-70-5 | 1.65 V-5.5 V | 76C4082 | 0.07 |
| ● SN74LVC1G125DCKT | SC-70-5 | 1.65 V-5.5 V | 22H0380 | 0.90 |
| ● SN74LVC1G07DCKT | SC-70-5 | 1.65 V-5.5 V | 22H0378 | --- |
| ● SN74LVC1G126DCR | SC-70-5 | 1.65 V-5.5 V | 76C4084 | 0.07 |
| ● SN74LVC1G07DCR | SC-70-5 | 1.65 V-5.5 V | 76C4075 | --- |
| ● SN74LVC2G07DCR | SC-70-6 | 1.65 V-5.5 V | 76C4196 | 0.06 |
| ● SN74LVC07AD | SOIC-14 | 1.65 V-3.6 V | 76C4050 | 0.14 |
| ● SN74LVC541ADW | SOIC-20 | 1.65 V-3.6 V | 36K2049 | 0.32 |
| ● SN74LVC2G125DBVR | SOT-23-5 | 1.65 V-5.5 V | 74C1414 | 0.11 |
| ● SN74LVC1G07DBVR | SOT-23-5 | 1.65 V-5.5 V | 39C2931 | 0.10 |
| ● SN74LVC1G07DBVT | SOT-23-5 | 1.65 V-5.5 V | 32H6344 | --- |
| ● SN74LVC1G125DBVT | SOT-23-5 | 1.65 V-5.5 V | 32H6348 | --- |
| ● SN74LVC1G126DBVT | SOT-23-5 | 1.65 V-5.5 V | 32H6351 | --- |
| ● SN74LVC1G125DBVT | SOT-23-5 | 1.65 V-5.5 V | 84M8632 | --- |
| ● SN74LVC2G07DBVR | SOT-23-6 | 1.65 V-5.5 V | 76C4195 | 0.14 |
| ● SN74LVC2G34DBVR | SOT-23-6 | 1.65 V-5.5 V | 76C4213 | --- |
| ● SN74LVC2G125DCTR | SSOP-8 | 1.65 V-5.5 V | 76C4199 | --- |
| ● SN74LVC16244ADL | SSOP-48 | 1.65 V-3.6 V | 74K3952 | --- |
| ● SN74LVC125APWR | TSSOP-14 | 1.65 V-3.6 V | 35K0816 | 0.14 |
| ● SN74LVC244APWR | TSSOP-20 | 1.65 V-3.6 V | 10C2401 | 0.41 |
| ● SN74LVC244APW | TSSOP-20 | 1.65 V-3.6 V | 02H5433 | --- |
| ● SN74LVC16244ADGGR | TSSOP-48 | 1.65 V-3.6 V | 76C4150 | 0.34 |
| ● SN74LVC16244ADGGR | TSSOP-48 | 1.65 V-3.6 V | 35K0818 | 0.65 |
| ● SN74LVC3G34DCUR | VSSOP-8 | 1.65 V-5.5 V | 76C4270 | --- |
| ● SN74LVC2G125DCUR | VSSOP-8 | 1.65 V-5.5 V | 76C4200 | 0.04 |
| Buffer, Non Inverting, Buffer, Non Inverting | | | | |
| ● SN74LVC125AD | SOIC-14 | 1.65 V-3.6 V | 94B6303 | 0.14 |
| ● SN74LVC244ADW | SOIC-20 | 1.65 V-3.6 V | 76C4240 | --- |
| Buffer, Schmitt Trigger | | | | |
| ● SN74LVC1G17DCKT | SC-70-5 | 1.65 V-5.5 V | 22H0382 | 0.22 |
| ● SN74LVC1G17DCR | SC-70-5 | 1.65 V-5.5 V | 76C4090 | 0.44 |
| ● SN74LVC2G17DCR | SC-70-6 | 1.65 V-5.5 V | 76C4208 | 0.56 |
| ● SN74LVC2G17DBVR | SOT-23-6 | 1.65 V-5.5 V | 76C4207 | 0.22 |
| ● SN74LVC3G17DCTR | SSOP-8 | 1.65 V-5.5 V | 90H3713 | 0.20 |
| Buffer / Driver, Inverting | | | | |
| ● SN74LVC1G06DBVT | SOT-23-5 | 1.65 V-5.5 V | 32H6342 | --- |

► CONTINUED ►

74LVC SERIES LOW-VOLTAGE CMOS (CONT.)

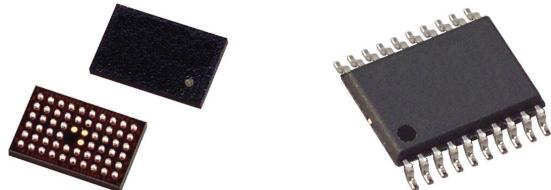
| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape Cut |
|---------------------------------|------------|----------------|-----------|----------|
| Buffer / Line Driver, Inverting | | | | |
| SN74LVC1G240DBVR | SOT-23-5 | 1.65 V-5.5 V | 76C4091 | --- |
| SN74LVC2G06DBVR | SOT-23-6 | 1.65 V-5.5 V | 76C4193 | 0.13 |
| SN74LVC3G06DCTR | SSOP-8 | 1.65 V-5.5 V | 68K121 | 0.21 |
| SN74LVC3G06DCUR | VSSOP-8 | 1.65 V-5.5 V | 76C4264 | --- |
| Transceiver, Non Inverting | | | | |
| SN74LVC2T45YZPR | BGA-8 | 1.65 V-5.5 V | 10J9673 | --- |
| SN74LVC1T45DCKR | SC-70-6 | 1.65 V-5.5 V | 01J0797 | 0.25 |
| SN74LVC245ADW | SOIC-20 | 1.65 V-3.6 V | 76C4247 | --- |
| SN74LVC3245ADW | SOIC-24 | 2.3 V-3.6 V | 67K2858 | 0.65 |
| SN74LVC4245ADWR | SOIC-24 | 2.7 V-3.6 V | 35K0821 | --- |
| SN74LVC1T45DBVT | SOT-23-6 | 1.65 V-5.5 V | 01J0796 | 0.51 |
| SN74LVC2T45DCTT | SSOP-8 | 1.65 V-5.5 V | 69K0399 | 0.32 |
| SN74LVC4245ADBR | SSOP-24 | 2.7 V-5.5 V | 76C4289 | --- |
| SN74LVC16245ADL | SSOP-48 | 1.65 V-3.6 V | 72K9437 | --- |
| SN74LVC245APW | TSSOP-20 | 1.65 V-5.5 V | 02H5434 | --- |
| SN74LVC8T245PWR | TSSOP-24 | 1.65 V-5.5 V | 58K6538 | 0.56 |
| SN74LVC3245APW | TSSOP-24 | 2.3 V-5.5 V | 02H5425 | --- |
| SN74LVC4245APWR | TSSOP-24 | 2.7 V-3.6 V | 92B8894 | --- |
| SN74LVC4245APW | TSSOP-24 | 4.5 V-5.5 V | 35K4892 | --- |
| SN74LVC16245ADGGR | TSSOP-48 | 1.65 V-3.6 V | 34H2456 | --- |
| SN74LVC16245ADGGR | TSSOP-48 | 1.65 V-3.6 V | 36K7622 | 0.48 |
| SN74LVC16245ADGGR | TSSOP-48 | 1.65 V-3.6 V | 35K0815 | --- |
| SN74LVC16T245DGGR | TSSOP-48 | 1.65 V-5.5 V | 58K6530 | 1.55 |
| SN74LVC2T45DCUT | VSSOP-8 | 1.65 V-5.5 V | 01J0800 | --- |
| Transceiver, Translating | | | | |
| SN74LVC1T45YZPR | DSBGA-6 | 1.65 V-5.5 V | 10J9664 | --- |

PIM_70392

LOGIC - VOLTAGE-LEVEL TRANSLATORS



TEXAS INSTRUMENTS
Authorized Distributor



The output level is referenced to the supply voltage and is able to support 1.8 V/2.5 V/3.6 V CMOS levels. The input is designed with a lower threshold circuit to match 1.8 V input logic at VCC = 3.3 V and can be used in 1.8 V to 3.6 V level up translation.

| Mfg. Part No. | Case Style | Prop. Delay | Output Current | Supply Voltage | Stock No. | Tape Cut |
|------------------|------------|-------------|----------------|----------------|-----------|----------|
| Level Translator | | | | | | 1-9+ |
| TXB0104ZKUR | BGA-12 | 4ns | 0.02mA | 1.2 V-3.6 V | 18M3269 | --- |
| SN65CML100DGK | MSOP-8 | 800ps | 0.4mA | 3 V-3.6 V | 22H0085 | --- |
| SN65LVDT100D | SOIC-8 | 470ps | 0.012mA | 3 V-3.6 V | 02E6889 | --- |
| TXS0102DCUR | VSSOP-8 | 165ns | 50mA | 1.65 V-5.5 V | 30M1878 | --- |

PIM_91479

74HC SERIES HIGH-SPEED CMOS LOGIC



TEXAS INSTRUMENTS
Authorized Distributor

Features:

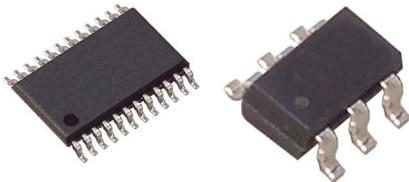
- 2V to 6V operation
- Very high impedance inputs
- Can sink and source approx. 20mA
- Large fan-out capability

The 74HC family of logic devices are high speed, low power devices that use CMOS circuitry. The devices are pin compatible with many existing devices such as the 74TTL, 74SSTL and 4000 series.

► CONTINUED ►

STANDARD LOGIC ICS

74AVC SERIES CMOS LOGIC



RoHS Compliant Available

 TEXAS INSTRUMENTS
Authorized Distributor

Features:

- DOC™ (Dynamic Output Control) Circuit Dynamically Changes Output Impedance, Resulting in Noise Reduction Without Speed Degradation
- Dynamic Drive Capability Is Equivalent to Standard

With the patented Dynamic Output Control (DOC™) circuitry, **AVC Series** has the shortest propagation delay time (tpd) at 3.3V, 2.5V, and 1.8V supply voltages (Vcc). This enables the fastest performance while also providing the lowest noise and mixed-voltage mode system support.

| Mfg. Part No. | Case Style | Supply Voltage | Stock No. | Tape & Reel 1-2499+ |
|-----------------------------------|------------|----------------|-----------|------------------------|
| Transceiver, Non Inverting | | | | |
| ● SN74AVC2T45YZPR | BGA-8 | 1.2 V-3.6 V | 24K4853 | --- |
| ● SN74AVC1T45DCR | SC-70-6 | 1.2 V-3.6 V | 21J8969 | 0.15 |
| ● SN74AVCH1T45DCR | SC-70-6 | 1.2 V-3.6 V | 44J1473 | 0.16 |
| ● SN74AVC1T45DBVR | SOT-23-6 | 1.2 V-3.6 V | 21J8967 | --- |
| ● SN74AVCH1T45DBVR | SOT-23-6 | 1.2 V-3.6 V | 44J1471 | --- |
| ● SN74AVC2T45DCTR | SSOP-8 | 1.2 V-3.6 V | 21J8975 | 0.22 |
| ● SN74AVC2T45DCTT | SSOP-8 | 1.2 V-3.6 V | 21J8976 | --- |
| ● SN74AVC4T245PWR | TSSOP-16 | 1.2 V-3.6 V | 33K5891 | --- |
| ● SN74AVC8T245PWR | TSSOP-24 | 1.2 V-3.6 V | 10J9627 | --- |
| ● SN74AVC16T245DDGR | TSSOP-48 | 1.2 V-3.6 V | 21J8971 | 0.89 |
| ● SN74AVCB164245GR | TSSOP-48 | 1.4 V-3.6 V | 83K7531 | 1.56 |
| ● SN74AVC2T45DCUR | VSSOP-8 | 1.2 V-3.6 V | 21J8977 | --- |
| ● SN74AVC2T45DCUT | VSSOP-8 | 1.2 V-3.6 V | 21J8978 | --- |
| Transceiver, Translating | | | | |
| ● SN74AVC16T245ZLQR | BGA-56 | 1.2 V-3.6 V | 21J8974 | --- |
| ● SN74AVC8T245DGVR | TVSOP-24 | 1.2 V-3.6 V | 10J9625 | 0.15 |
| Voltage Level Translator | | | | |
| ● SN74AVCA406LZXRY | BGA-20 | 1.2 V-4.6 V | 88K6638 | --- |

PIM_82417

SN74 LOGIC FAMILIES

RoHS Compliant Available

 TEXAS INSTRUMENTS
Authorized Distributor

| Mfg. Part No. | Case Style | Output Current | Supply Voltage | Stock No. | Price Each 1-9+ |
|-----------------|------------|----------------|----------------|-----------|--------------------|
| AND Gate | | | | | |
| ● SN74LS08N | DIP-14 | 8mA | 4.5Vto5.5V | 60K6789 | 0.37 |
| ● SN74LS11N | DIP-14 | 8mA | 4.75Vto5.25V | 08F6673 | 0.35 |
| ● SN74LS09N | DIP-14 | 8mA | 4.75Vto5.25V | 60K6853 | 0.14 |
| ● SN74F08N | DIP-14 | 20mA | 4.5Vto5.5V | 60K6800 | 0.65 |
| ● SN74ALS08D | SOIC-14 | 8mA | 4.5Vto5.5V | 08F5935 | --- |
| ● SN74ALS11AD | SOIC-14 | 8mA | 4.5Vto5.5V | 35K0781 | --- |
| ● SN74LS08D | SOIC-14 | 8mA | 4.75Vto5.25V | 08F6633 | 0.30 |
| ● SN74LS09D | SOIC-14 | 8mA | 4.75Vto5.25V | 35K0812 | 0.35 |
| ● SN74F08D | SOIC-14 | 20mA | 4.5Vto5.5V | 67K2827 | --- |
| Inverter | | | | | |
| ● SN74ALS04BN | DIP-14 | 8mA | 4.5Vto5.5V | 60K6788 | --- |
| ● SN74ALS05AN | DIP-14 | 8mA | 4.5Vto5.5V | 67K1025 | 0.45 |
| ● SN74LS05N | DIP-14 | 8mA | 4.75Vto5.25V | 08F6630 | --- |
| ● SN74LS14N | DIP-14 | 8mA | 4.75Vto5.25V | 08F6782 | 0.67 |
| ● SN74LS04N | DIP-14 | 8mA | 4.75Vto5.25V | 60K6850 | --- |
| ● SN74ALS04BD | SOIC-14 | 8mA | 4.5Vto5.5V | 08F5932 | --- |
| ● SN74ALS05AD | SOIC-14 | 8mA | 4.5Vto5.5V | 52F2312 | --- |
| ● SN74LS04D | SOIC-14 | 8mA | 4.75Vto5.25V | 72K9435 | --- |
| ● SN74LS14D | SOIC-14 | 8mA | 4.75Vto5.25V | 76K1060 | --- |
| ● SN74LS05D | SOIC-14 | 8mA | 4.75Vto5.25V | 67K2852 | 0.54 |
| NAND | | | | | |
| ● SN74ALS00AN | DIP-14 | 8mA | 4.5Vto5.5V | 67K1024 | 0.27 |
| ● SN74ALS10AN | DIP-14 | 8mA | 4.5Vto5.5V | 67K1026 | --- |
| ● SN74LS03N | DIP-14 | 8mA | 4.75Vto5.25V | 60K6849 | --- |
| ● SN74LS20N | DIP-14 | 8mA | 4.75Vto5.25V | 60K6870 | 0.57 |
| ● SN74LS30N | DIP-14 | 8mA | 4.75Vto5.25V | 60K6879 | 0.33 |
| ● SN74LS10N | DIP-14 | 8mA | 4.75Vto5.25V | 60K6854 | 0.38 |
| ● SN74LS00N | DIP-14 | 16mA | 4.75Vto5.25V | 60K6847 | 0.47 |

► CONTINUED ►

SN74 LOGIC FAMILIES (CONT.)

| Mfg. Part No. | Case Style | Output Current | Supply Voltage | Stock No. | Price Each 1-9+ |
|-----------------------------|------------|----------------|----------------|-----------|--------------------|
| NAND | | | | | |
| ● SN74F10N | DIP-14 | 20mA | 4.5Vto5.5V | 08F6297 | --- |
| ● SN74F00N | DIP-14 | 20mA | 4.5Vto5.5V | 67K1065 | 0.25 |
| ● SN74ALS00AD | SOIC-14 | 8mA | 4.5Vto5.5V | 08F5927 | --- |
| ● SN74LS00D | SOIC-14 | 16mA | 4.75Vto5.25V | 72K9434 | --- |
| ● SN74F00D | SOIC-14 | 20mA | 4.5Vto5.5V | 08F6288 | --- |
| NAND Buffer | | | | | |
| ● SN74LS38N | DIP-14 | 24mA | 4.75Vto5.25V | 60K6884 | --- |
| ● SN74F38D | SOIC-14 | 64mA | 4.5Vto5.5V | 35K0794 | 0.13 |
| NAND Schmitt Trigger | | | | | |
| ● SN74LS132N | DIP-14 | 8mA | 4.75Vto5.25V | 60K6859 | --- |
| NOR | | | | | |
| ● SN74LS02N | DIP-14 | 8mA | 4.75Vto5.25V | 60K6848 | --- |
| ● SN74LS27N | DIP-14 | 8mA | 4.75Vto5.25V | 59K0267 | --- |
| ● SN74F02N | DIP-14 | 20mA | 4.5Vto5.5V | 08F6290 | 0.17 |
| ● SN74F02D | SOIC-14 | 20mA | 4.5Vto5.5V | 52F2625 | --- |
| NOR Buffer | | | | | |
| ● SN74LS33N | DIP-14 | 24mA | 4.75Vto5.25V | 60K6880 | 0.77 |
| OR | | | | | |
| ● SN74ALS32N | DIP-14 | 8mA | 4.5Vto5.5V | 60K6791 | --- |
| ● SN74LS32N | DIP-14 | 8mA | 4.75Vto5.25V | 08F7225 | 0.26 |
| ● SN74F32N | DIP-14 | 20mA | 4.5Vto5.5V | 60K6803 | --- |
| ● SN74ALS32D | SOIC-14 | 8mA | 4.5Vto5.5V | 08F6036 | --- |
| ● SN74LS32D | SOIC-14 | 8mA | 4.75Vto5.25V | 67K2856 | 0.28 |
| ● SN74F32D | SOIC-14 | 20mA | 4.5Vto5.5V | 67K2831 | --- |
| XOR Gate | | | | | |
| ● SN74ALS86N | DIP-14 | 8mA | 4.5Vto5.5V | 67K1046 | --- |
| ● SN74LS86AN | DIP-14 | 8mA | 4.75Vto5.25V | 60K6895 | --- |
| PIM_12937 | | | | | |

TINYLOGIC® HIGH SPEED CMOS LOGIC

RoHS Compliant Available



Benefits:

- Reduces routing complexity
- Allows shorter metal traces to minimize EMI generation
- Prevents unnecessary power consumption from unused gates
- HS and HST family intended for 5V or very low voltage applications
- UHS family ideal for high speed, low voltage operation
- ULP family ideal for extremely high speed low voltage operation
- ULA family ideal for low power consumption, low voltage operation

Fairchild's **TinyLogic®** family consists of a broad spectrum of high speed, low power, CMOS single and dual gate logic functions in a choice of six space saving packages: SOT23-5, SC70 6-lead, US8 8-lead, and MicroPak 6 and 8 terminal leadless packages.

TinyLogic can facilitate efficient system designs in any application. Placement of single and dual logic functions exactly where needed simplifies signal routing while minimizing propagation delays and noise generation. Tiny Logic offers single-gate functions in very small packages. Mfg. part numbers with suffix X are supplied on cut tape.

Tiny High Speed (HS) series performance similar to HC/VHC. CMOS-compatible inputs. Supply voltage: 2V-6V.

| Mfg. Part No. | Case Style | Output Current | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|-----------------------|--|-------------------------|----------------|---|--|
| Ordering Guide | | | | | |
| NC7 | XX | X | XX | XX | X |
| TinyLogic | 1st letter: S=Single-Bit W=Dual-Bit N=Triple Bit 2nd letter: "blank"=HS T=HST Z=UHS P=ULP V=ULP-A | D=Diode U=Unbuffered | Device Type | Package Code: M5=SOT23-5 P5=SC70-5 P6=SC70-6 I6=MicroPack-6 I8=MicroPack-8 K8=US8 | Special Variations X=Tape&Reel 3000&5000 "blank"=Tape&Reel 250 |

| Mfg. Part No. | Case Style | Output Current | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|-----------------|------------|----------------|----------------|-----------|------------------|
| AND Gate | | | | | |
| ● NC7ST08P5 | SC-70-5 | 2mA | 4.5Vto5.5V | 67K0812 | --- |
| ● NC7S08P5X | SC-70-5 | 2.6mA | 2Vto6V | 58K1992 | 0.06 |
| ● NC7SP08P5X | SC-70-5 | 2.6mA | 900mVto3.6V | 82C9971 | --- |
| ● NC7SV08P5X | SC-70-5 | 24mA | 900mVto3.6V | 55R1150 | 0.04 |
| ● NC7S708P5P | SC-70-5 | 32mA | 1.65Vto5.5V | 34C1562 | --- |
| ● NC7TS21P6X | SC-70-6 | 32mA | 1.65Vto5.5V | 58K9467 | 0.41 |
| ● NC7ST08M5X | SOT-23-5 | 2mA | 4.5Vto5.5V | 58K1969 | 0.49 |
| ● NC7S08M5 | SOT-23-5 | 2.6mA | 2Vto6V | 34C1577 | --- |
| ● NC7S08M5X | SOT-23-5 | 2.6mA | 2Vto6V | 58K1991 | 0.49 |
| ● NC7S208M5X | SOT-23-5 | 32mA | 1.65Vto5.5V | 58K1975 | 0.54 |
| ● NC7WZ08K8X | US8-8 | 32mA | 1.65Vto5.5V | 58K2000 | --- |
| Inverter | | | | | |
| ● NC7ST04P5 | SC-70-5 | 2mA | 4.5Vto5.5V | 38C8124 | --- |
| ● NC7ST04P5X | SC-70-5 | 2mA | 4.5Vto5.5V | 38C7557 | --- |

► CONTINUED ►

TINYLOGIC® HIGH SPEED CMOS LOGIC (CONT.)

| Mfg. Part No. | Case Style | Output Current | Supply Voltage | Stock No. | Tape Cut 1-9+ |
|----------------------------------|------------|----------------|----------------|-----------|------------------|
| Inverter | | | | | |
| ● NC7SP05P5X | SC-70-5 | 2.6mA | 0.9Vto3.6V | 29H0687 | 0.07 |
| ● NC7SP04P5X | SC-70-5 | 2.6mA | 0.9Vto3.6V | 81C9517 | 0.03 |
| ● NC7S04P5X | SC-70-5 | 2.6mA | 2Vto6V | 38CT7607 | 0.43 |
| ● NC7S04P5X | SC-70-5 | 24mA | 900mVto3.6V | 29H0701 | 0.04 |
| ● NC7S04P5 | SC-70-5 | 32mA | 1.65Vto5.5V | 34C1559 | --- |
| ● NC7S05P5X | SC-70-5 | 32mA | 1.65Vto5.5V | 58K1974 | 0.03 |
| ● NC7S04P5X | SC-70-5 | 32mA | 1.65Vto5.5V | 38C7574 | 0.04 |
| ● NC7WZU04P6X | SC-70-6 | 8mA | 1.8Vto5.5V | 58K1996 | 0.47 |
| ● NC7WV04P6X | SC-70-6 | 24mA | 900mVto3.6V | 09J6783 | 0.14 |
| ● NC7WZ04P6 | SC-70-6 | 32mA | 1.65Vto5.5V | 34C1585 | --- |
| ● NC7WZ04P6X | SC-70-6 | 32mA | 1.65Vto5.5V | 58K1999 | 0.49 |
| ● NC7ST04M5 | SOT-23-5 | 2mA | 4.5Vto5.5V | 34C1550 | --- |
| ● NC7ST04M5X | SOT-23-5 | 2mA | 4.5Vto5.5V | 38CT7556 | --- |
| ● NC7S04M5 | SOT-23-5 | 2.6mA | 2Vto6V | 34C1576 | --- |
| ● NC7S04M5X | SOT-23-5 | 2.6mA | 2Vto6V | 38CT7563 | --- |
| ● NC7S04M5X | SOT-23-5 | 2.6mA | 2Vto6V | 38CT7606 | 0.07 |
| ● NC7S04M5X | SOT-23-5 | 16mA | 1.65Vto5.5V | 58K1971 | 0.10 |
| ● NC7S04M5 | SOT-23-5 | 32mA | 1.65Vto5.5V | 34C1558 | --- |
| ● NC7S04M5X | SOT-23-5 | 32mA | 1.65Vto5.5V | 58K1973 | 0.49 |
| Inverter Schmitt Trigger | | | | | |
| ● NC7SP14P5X | SC-70-5 | 2.6mA | 0.9Vto3.6V | 29H0690 | --- |
| ● NC7S14P5X | SC-70-5 | 2.6mA | 2Vto6V | 38CT7611 | 0.03 |
| ● NC7S14P5X | SC-70-5 | 24mA | 900mVto3.6V | 26H5474 | 0.04 |
| ● NC7S14P5X | SC-70-5 | 32mA | 1.65Vto5.5V | 38CT7584 | 0.34 |
| ● NC7WZ14P6X | SC-70-6 | 32mA | 1.65Vto5.5V | 58K2001 | 0.43 |
| ● NC7WZ14P6 | SC-70-6 | 32mA | 1.65Vto5.5V | 34C1588 | --- |
| ● NC7S14M5 | SOT-23-5 | 2.6mA | 2Vto6V | 67K0819 | --- |
| ● NC7S14M5X | SOT-23-5 | 2.6mA | 2Vto6V | 58K1993 | 0.49 |
| ● NC7S14M5 | SOT-23-5 | 32mA | 1.65Vto5.5V | 67K0813 | --- |
| ● NC7NZ14K8X | VSSOP-8 | 32mA | 1.65Vto5.5V | 58K1967 | 0.10 |
| Multi-Function Logic Gate | | | | | |
| ● NC7SV57P6X | SC-70-6 | 24mA | 0.9Vto3.6V | 29H0711 | --- |
| ● NC7SZ57P6X | SC-70-6 | 32mA | 1.65Vto5.5V | 38CT7596 | 0.49 |
| ● NC7SZ58P6X | SC-70-6 | 32mA | 1.65Vto5.5V | 58K1987 | 0.45 |
| NAND | | | | | |
| ● NC7SP00P5X | SC-70-5 | 2.6mA | 0.9Vto3.6V | 29H0685 | --- |
| ● NC7S00P5 | SC-70-5 | 20mA | 2Vto6V | 83C0034 | --- |
| ● NC7SZ38P5X | SC-70-5 | 24mA | 1.65Vto5.5V | 55R1155 | --- |
| ● NC7SZ00P5X | SC-70-5 | 32mA | 1.65Vto5.5V | 38CT7570 | 0.37 |
| ● NC7SZ38M5X | SOT-23-5 | 24mA | 1.65Vto5.5V | 55R1154 | --- |
| ● NC7SZ00M5X | SOT-23-5 | 32mA | 1.65Vto5.5V | 58K1972 | 0.35 |
| ● NC7WZ00K8X | VSSOP-8 | 32mA | 1.65Vto5.5V | 58K1997 | --- |
| NAND Schmitt Trigger | | | | | |
| ● NC7WZ132K8X | US8-8 | 32mA | 1.65Vto5.5V | 38CT7622 | --- |
| NOR | | | | | |
| ● NC7SZ27P6X | SC-70-6 | 32mA | 1.65Vto5.5V | 83C0014 | --- |
| ● NC7SZ02M5 | SOT-23-5 | 32mA | 1.65Vto5.5V | 82C9996 | 0.12 |
| ● NC7WZ02K8X | VSSOP-8 | 32mA | 1.65Vto5.5V | 58K1998 | --- |
| OR | | | | | |
| ● NC7SV32P5X | SC-70-5 | 24mA | 0.9Vto3.6V | 29H0708 | --- |
| ● NC7SZ32P5 | SC-70-5 | 32mA | 1.65Vto5.5V | 34C1571 | --- |
| ● NC7SZ32P5X | SC-70-5 | 32mA | 1.65Vto5.5V | 38CT7590 | 0.35 |
| ● NC7SZ332P6X | SC-70-6 | 32mA | 1.65Vto5.5V | 58K1984 | 0.51 |
| ● NC7ST32M5 | SOT-23-5 | 2mA | 4.5Vto5.5V | 82C9983 | --- |
| ● NC7S32M5X | SOT-23-5 | 2.6mA | 2Vto6V | 58K1994 | 0.08 |
| ● NC7S32M5 | SOT-23-5 | 32mA | 1.65Vto5.5V | 34C1570 | --- |
| ● NC7S32M5X | SOT-23-5 | 32mA | 1.65Vto5.5V | 58K1983 | 0.07 |
| ● NC7WZ32K8X | VSSOP-8 | 32mA | 1.65Vto5.5V | 58K2004 | 0.14 |
| XOR Gate | | | | | |
| ● NC7SZ86P5 | SC-70-5 | 32mA | 1.65Vto5.5V | 83C0032 | --- |
| ● NC7SZ86P5X | SC-70-5 | 32mA | 1.65Vto5.5V | 58K1990 | --- |
| ● NC7ST86M5X | SOT-23-5 | 2mA | 4.5Vto5.5V | 58K1970 | 0.09 |
| ● NC7WZ86K8X | VSSOP-8 | 32mA | 1.65Vto5.5V | 58K2005 | --- |

PIM_70549

SN74 LOGIC FAMILIES (CONT.)



TEXAS INSTRUMENTS
Authorized Distributor

SN74 LOGIC FAMILIES (CONT.)

| Mfg. Part No. | Case Style | Output Current | Supply Voltage | Stock No. | Price Each 1-9+ |
|---------------------------------|------------|----------------|----------------|-----------|--------------------|
| AND Gate | | | | | |
| ● SN74AS08N | DIP-14 | 8mA | 4.5Vto5.5V | 67K1051 | 0.39 |
| ● SN74S08N | DIP-14 | 20mA | 4.75Vto5.25V | 60K6901 | 0.49 |
| ● SN74AS08BN | DIP-20 | 48mA | 4.5Vto5.5V | 67K1060 | --- |
| Inverter | | | | | |
| ● SN7404N | DIP-14 | 16mA | 4.75Vto5.25V | 60K6904 | 1.46 |
| ● SN74S04N | DIP-14 | 20mA | 4.75Vto5.25V | 67K1105 | 0.73 |
| Inverter Schmitt Trigger | | | | | |
| ● SN7414N | DIP-14 | 16mA | 4.75Vto5.25V | 64K2279 | --- |
| NAND | | | | | |
| ● SN74S00N | DIP-14 | 16mA | 4.75Vto5.25V | 60K6899 | 1.88 |
| ● SN7400N | DIP-14 | 16mA | 4.75Vto5.25V | 08F7812 | 0.88 |
| NAND Buffer | | | | | |
| ● SN7438N | DIP-14 | 48mA | 4.75Vto5.25V | 60K6912 | 0.62 |
| ● SN74S37N | DIP-14 | 60mA | 4.75Vto5.25V | 67K1118 | --- |
| ● SN74S38N | DIP-14 | 60mA | 4.75Vto5.25V | 67K1120 | 1.34 |
| ● SN74S38D | SOIC-14 | 60mA | 4.75Vto5.25V | 35K0831 | --- |
| NAND Line Driver | | | | | |
| ● SN74S140N | DIP-14 | 60mA | 4.75Vto5.25V | 60K6902 | --- |
| NOR | | | | | |
| ● SN74AS02N | DIP-14 | 8mA | 4.5Vto5.5V | 68K1115 | --- |
| ● SN7402N | DIP-14 | 16mA | 4.75Vto5.25V | 60K6903 | 1.43 |
| ● SN74S02N | DIP-14 | 20mA | 4.75Vto5.25V | 60K6900 | --- |
| ● SN74S260N | DIP-14 | 20mA | 4.75Vto5.25V | 67K1116 | --- |
| OR | | | | | |
| ● SN7432N | DIP-14 | 16mA | 4.75Vto5.25V | 08F7945 | 1.41 |
| ● SN74AS32N | DIP-14 | 20mA | 4.5Vto5.5V | 67K1056 | --- |
| ● SN74S32N | DIP-14 | 20mA | 4.75Vto5.25V | 67K1117 | --- |

PIM_12998

LINEAR TECHNOLOGY POWER MANAGEMENT SELECTION



Linear Technology's high-performance analog ICs provide efficient solutions for power management and conversion applications in the automotive, telecommunications, industrial, medical, computing, military and high-end consumer markets. Linear Technology's ICs provide unmatched power densities and software design simulation tools to provide fast and accurate power supply designs

| Mfg. Part No. | Stock No. |
|---------------|-----------|
| HIP6013CB | 05B6843 |

PIM_5576525

LINEAR TECHNOLOGY - BATTERY MANAGEMENT SELECTION



Linear Technology manufactures a comprehensive line of high performance battery charger IC for any rechargeable battery chemistry, including Lithium-Ion, Lead Acid, and Nickel based. These battery charger IC are offered in linear or switching topologies and are completely autonomous in operation. Linear Technology's battery charger IC offer many standard features for battery safety and management, including on-chip battery pre-conditioning, thermal regulation, NTC interface and dual Smart Battery systems management with SMBus or I2C interface. Find Newark's complete Linear Technology Battery Management portfolio of innovative products at www.newark.com.

| Mfg. Part No. | Description | Stock No. |
|------------------------|-------------|-----------|
| Battery Charger | | |

| | | |
|---------------------|--|---------|
| ● LTC4040EUF#PBF | 2.5A Battery Backup Power Manager | 51Y6039 |
| ● LTC4015EUHF#PBF | Multichemistry Buck Battery Charger Controller with Digital Telemetry System | 55Y5140 |
| ● LTC4123EDC#TRMPBF | Low Power Wireless Charger for Hearing Aids | 76Y2393 |

| Mfg. Part No. | Description | Stock No. |
|---------------------------|-------------|-----------|
| Battery Fuel Gauge | | |

| | | |
|--------------------|--|---------|
| ● LTC2943CD-1#PBF | 1A Multicell Battery Gas Gauge with Temperature, Voltage and Current Measurement | 78Y5660 |
| ● LTC2941CMS8E#PBF | Battery Gas Gauge with I2C Interface | 79Y0396 |

| Mfg. Part No. | Description | Stock No. |
|---|-------------|-----------|
| Battery Supervisors & Monitors | | |

| | | |
|-------------------|---------------------------|---------|
| ● LTC6804HG-2#PBF | Multicell Battery Monitor | 95W3384 |
|-------------------|---------------------------|---------|

| Mfg. Part No. | Description | Stock No. |
|---|-------------|-----------|
| Popular Battery Management Demo Boards | | |

| | | |
|-----------|--|---------|
| DC1496B-A | LTC2941 Demo Board, 2.7V to 5.25V Battery Gas Gauge w/ I2C (requires DC590B) | 73W9763 |
| DC1894B | LTC6804-1 Demo Board, Precision Battery Monitoring System (req DC2026) | 78Y4305 |

| | | |
|-----------|---|---------|
| DC1812A-C | LTC2943-1 Demo Board, 20VIN, 1A Battery Gas Gauge w/ Internal RSENSE (req. DC2026) | 82Y0501 |
| DC2302A | LTC4123EDC Demo Board, A Kit to Charge a NiMH Button Cell Battery Up to 25mA at 1.5V from a 5V Wireless Transmitter | 85Y0659 |

PIM_5576536

► CONTINUED ►

POWER MANAGEMENT ICS

1

LINEAR TECHNOLOGY - DC/DC CONTROLLERS, CONVERTERS & SWITCHING REGULATOR SELECTION



Linear Technology manufactures a broad line of high performance switching regulator ICs with both synchronous and non-synchronous internal switches. These switching voltage regulators offer typical input voltage capability from 2.25V up to 60V, switching frequencies up to 4MHz and high efficiency operation up to 96%. Also with Burst Mode operation, quiescent currents in the tens of micro-amps level can be attained. This combination of features allows very small, low profile circuit implementations with minimum external components. Topologies include buck (step-down) switching regulators, boost (step-up) switching regulators, buck-boost switching regulator, inverting switching regulators, and flyback and isolated topology switching regulators. Linear Technology's μModule (micromodule) DC/DC power products are complete system-in-package (SiP) power management solutions with integrated DC/DC controller, power transistors, input and output capacitors, compensation components and inductor within a compact, surface mount BGA or LGA package. μModule power products support functions as Step-Down (buck), Step-Down and Step-Up (buck-boost), Battery Charger, Isolated Converter, and LED driver. As a highly integrated solution with PCB Gerber files available for every device, μModule power products address time and space constraints while delivering a high efficiency, reliable and with select products a low EMI solution compliant with EN55022 class B standards. To view Newark's complete offering, please go to www.newark.com

| Mfg. Part No. | Description | Stock No. | Price Each 1-24+ |
|--|--|-----------|---------------------|
| DC/DC Controllers | | | |
| ● LTC3892EUH#PBF | 60V Low IQ, Dual, 2-Phase Synchronous Step-Down DC/DC Controller | 47Y5714 | --- |
| ● LTC1871EMS#PBF | Wide Input Range, No RSENSE Current Mode Boost, Flyback and SEPIC Controller | 56M4256 | --- |
| ● LTC3886EUKG#PBF | 60V Dual Output Step-Down Controller with Digital Power System Management | 56Y1541 | --- |
| ● LTC3884EUK#PBF | Dual Output PolyPhase Step-Down Controller with Sub-Milliohm DCR Sensing and Digital Power System Management | 68Y7004 | --- |
| DC/DC Integrated POL Converters | | | |
| ● LTM8021EV#PBF | 36VIN, 500mA Step-Down DC/DC μModule (Power Module) | 01P1603 | --- |
| ● LTM8023IV#PBF | 2A, 36V DC/DC Step-Down μModule (Power Module) Regulator | 02P7640 | --- |
| ● LTM4644IY#PBF | Quad DC/DC μModule (Power Module) Regulator with Configurable 4A Output Array | 27X1569 | --- |
| ● LTM4625EY#PBF | 20VIN, 5A Step-Down DC/DC μModule (Power Module) Regulator | 30Y6523 | --- |
| ● LTM8027EY#PBF | 60V, 4A DC/DC μModule (Power Module) Regulator | 30Y6525 | --- |
| ● LTM4622EV#PBF | Dual Ultrathin 2.5A or Single 5A Step-Down DC/DC μModule (Power Module) Regulator | 53Y1421 | --- |
| ● LTM4613EY#PBF | EN55022B Compliant 36VIN, 15VOUT, 8A, DC/DC μModule (Power Module) Regulator | 66Y7160 | --- |
| ● LTM8026EY#PBF | 36VIN, 5A CVCC Step-Down μModule (Power Module) Regulator | 66Y7169 | --- |
| ● LTM8052AEY#PBF | 36VIN, 5A, 2-Quadrant CVCC Step-Down μModule (Power Module) Regulator | 66Y7174 | --- |
| ● LTM8054EY#PBF | 36VIN, 5.4A Buck-Boost μModule (Power Module) Regulator | 66Y7184 | --- |
| ● LTM8055MPY#PBF | 36VIN, 8.5A Buck-Boost μModule (Power Module) Regulator | 66Y7190 | --- |
| ● LTM4623EY#PBF | Ultrathin 20VIN, 3A Step-Down DC/DC μModule (Power Module) Regulator | 70Y9194 | --- |
| ● LTM8064IY#PBF | 58VIN, 6A CVCC Step-Down μModule Regulator | 79Y0407 | --- |
| ● LTM4618EV#PBF | 6A DC/DC μModule (Power Module) Regulator with Tracking and Frequency Synchronization | 84R5009 | --- |
| ● LTM8033EV#PBF | Ultralow Noise EMC 36VIN, 3A DC/DC μModule (Power Module) Regulator | 84R5012 | --- |
| DC/DC Switching Regulators-Adjustable | | | |
| ● LT8614EUDC#PBF | 42V, 4A Synchronous Step-Down Silent Switcher with 2.5μA Quiescent Current | 18X0216 | --- |
| ● LT8610IMSE#PBF | 42V, 2.5A Synchronous Step-Down Regulator with 2.5μA Quiescent Current | 28W4627 | --- |
| ● LT8613EUDE#PBF | 42V, 6A Synchronous Step-Down Regulator with Current Sense and 3μA Quiescent Current | 30Y9652 | --- |
| ● LT8570EDD#PBF | Boost/SEPIC/Inverting DC/DC Converter with 65V Switch, Soft-Start and Synchronization | 41Y2831 | --- |
| ● LT8570EMS8E#PBF | Boost/SEPIC/Inverting DC/DC Converter with 65V Switch, Soft-Start and Synchronization | 41Y2835 | --- |
| ● LTC3118IUF#PBF | 18V, 2A Buck-Boost DC/DC Converter with Low-Loss Dual Input PowerPath | 43Y2786 | --- |
| ● LTC7138IMSE#PBF | High Efficiency, 140V 400mA Step-Down Regulator | 43Y2800 | --- |
| ● LT8620HMSE#PBF | 65V, 2A Synchronous Step-Down Regulator with 2.5μA Quiescent Current | 51Y6049 | --- |

LINEAR TECHNOLOGY - DC/DC CONTROLLERS, CONVERTERS & SWITCHING REGULATOR SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Price Each 1-24+ |
|--|--|-----------|---------------------|
| DC/DC Switching Regulators-Adjustable | | | |
| ● LT8300ES6#TRMPBF | Low IQ Boost/SEPIC/Inverting Converter with 1A, 60V Switch | 55Y5157 | --- |
| ● LT8494EFE#PBF | SEPIC/Boost DC/DC Converter with 2A, 70V Switch, and 7μA Quiescent Current | 55Y5181 | --- |
| ● LT8631EFE#PBF | 100V, 1A Synchronous Micropower Step-Down Regulator | 55Y5211 | --- |
| ● LT8640HUCD#PBF | 42V, 5A Synchronous Step-Down Silent Switcher with 2.5μA Quiescent Current | 55Y5223 | --- |
| ● LT1074CT#PBF | Step-Down Switching Regulator | 57M1301 | --- |
| ● LT1765EFE#PBF | Monolithic 3A, 1.25MHz Step-Down Switching Regulators | 57M6199 | --- |
| ● LT3580EDD#PBF | Boost/Inverting DC/DC Converter with 2A Switch, Soft-Start, and Synchronization | 57M8515 | --- |
| ● LTC3121EDE#PBF | 15V, 1.5A Synchronous Step-Up DC/DC Converter with Output Disconnect | 68Y0906 | --- |
| ● LTC3624IMSE#PBF | 17V, 2A Synchronous Step-Down Regulator with 3.5μA Quiescent Current | 68Y6998 | 3.42 |
| ● LTC7812EUH#PBF | Low IQ, 38V Synchronous Boost+Buck Controller | 68Y7032 | --- |
| ● LT8331EMSE#PBF | Low IQ Boost/SEPIC/ Flyback/Inverting Converter with 0.5A, 140V Switch | 68Y7038 | --- |
| ● LTC3649EUF#PBF | 60V, 4A Synchronous Step-Down Regulator with Rail-to-Rail Programmable Output | 77Y4709 | --- |
| ● LT8609AEMSE#PBF | 42V, 2A/3A Peak Synchronous Step-Down Regulator with 2.5μA Quiescent Current | 80Y1647 | --- |
| ● LT8608IMSE#PBF | 42V, 1.5A Synchronous Step-Down Regulator with 2.5μA Quiescent Current | 81Y5726 | --- |
| DC/DC Switching Regulators-Fixed | | | |
| ● LTC3525DISC6-3.3#TRMPBF | 400mA Micropower Synchronous Step-Up DC/DC Converter with Pass Through Mode | 51Y5997 | --- |
| ● LT1767EMS8E-3.3#PBF | Monolithic 1.5A, 1.25MHz Step-Down Switching Regulators | 57M6271 | --- |
| DC/DC Switching Regulators-Multi Output | | | |
| ● LTC3371EUHF#PBF | 4-Channel 8A Configurable Buck DC/DCs with Watchdog and Power-On Reset | 30Y6491 | --- |
| ● LTC3370EUH#PBF | 4-Channel 8A Configurable Buck DC/DCs | 41Y7668 | --- |
| ● LT8616EFE#PBF | Dual 42V Synchronous Monolithic Step-Down Regulator with 6.5μA Quiescent Current | 46Y7264 | --- |
| ● LTC3622EDE-23/5#PBF | 17V, Dual 1A Synchronous Step-Down Regulator with Ultralow Quiescent Current | 51Y6017 | --- |
| ● LT8471HFE#PBF | Dual Multitopology DC/DC Converters with 2A Switches and Synchronization | 51Y6043 | 5.90 |
| ● LT8602IUF#PBF | 42V Quad Monolithic Synchronous Step-Down Regulator | 55Y5208 | --- |
| ● LT3471EDD#PBF | Dual 1.3A, 1.2MHz Boost/Inverter in 3mm × 3mm DFN | 57M8270 | --- |
| ● LT3508EFE#PBF | Dual Monolithic 1.4A Step-Down Switching Regulator | 58M1030 | --- |
| ● LTM4677EY#PBF | Dual 18A or Single 36A μModule (Power Module) Regulator with Digital Power System Management | 71Y8389 | --- |
| ● LT8601EUJ#PBF | 42V Triple Monolithic Synchronous Step-Down Regulator | 77Y6668 | --- |
| Popular DC/DC Controllers, Converters & Switching Regulators Module Demo Boards | | | |
| DC1854A | LTC4741EFE Demo Board, Dual Buck/Inverting, 6V ≤ VIN ≤ 32V, Vout1 = 5V @ 1.4A, Vout2 = -5V @ 0.8A | 29Y9283 | --- |
| DC2005A | LTC3624 Demo Board (DFN), Micropower Sync Buck, 2.7V ≤ VIN ≤ 17V, Vout = 1.2V/1.8V/2.5V/3.3V/5V@2A | 29Y9307 | --- |
| DC436A | LTC1765ES8, Wide Input Range, 1.25MHz Step-Down DC/DC Converter, 8.5V-25Vin, 5vout @ 2A | 29Y9392 | --- |
| DC476A | LTC1765EFE, Wide Input Range, 1.25MHz Step-Down DC/DC Converter, 3V to 25V Input, Jumper Selectable 3.3V or 5Vout @ 2A | 29Y9402 | --- |
| DC502A | LTC1767EMS8E, 1.25MHz Wide Input Range Step Down DC/DC Converter, 3V to 25V Input, 5V/3/3Vout @ 1A | 29Y9417 | --- |
| DC2171A-A | LTM4623 Demo Board, Step-Down μModule Regulator, 4V ≤ VIN ≤ 20V, Vout = 1.0V/1.2V/1.5V/1.8V/2.5V/3.3V/5V @ 3A | 41Y0594 | 7.80 |
| DC414B | LTC1871EMS, Boost Controller, 3V ≤ VIN ≤ 5V, Vout = 5V @ 7A | 56Y1502 | --- |
| DC2016A | LTM8054 Demo Board, μModule Sync Buck-Boost, 6V ≤ VIN ≤ 35V, Vout = 12V @ 1.8A to 3A | 68Y0306 | --- |
| DC2311A | LTC3370EUH Demo Board, 4-Ch 8A Configurable Bucks, 2.25V ≤ VIN ≤ 5.5V, VOUT1-4 = 1.2V, 2.5V, 1.8V, 3.3V@0-2A Each | 68Y6878 | 24.00 |
| DC2066A | LTM4677EY Demo Board, μModule Regulator With Digital PSM, 4.5V ≤ VIN ≤ 16V, Vout1 = 0.5V to 1.8V @ 18A | 72Y0785 | --- |

► CONTINUED ►

► CONTINUED ►

LINEAR TECHNOLOGY - DC/DC CONTROLLERS, CONVERTERS & SWITCHING REGULATOR SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Price Each 1-24+ |
|--|---|-----------|---------------------|
| Popular DC/DC Controllers, Converters & Switching Regulators Module Demo Boards | | | |
| DC2017A | LTM8055 Demo Board, Buck-Boost µModule Regulator, 5V ≤ VIN ≤ 36V, Vout = 12V @ 6A | 77Y4222 | --- |
| DC2202A | LTC8640EUDC Demo Board, µPower Buck Silent Switcher, 5.7V ≤ VIN ≤ 42V, Vout = 5V @ 5A | 80Y5786 | --- |
| DC2113A | LTC3649 Demo Board, Sync Buck, 3.1V ≤ VIN ≤ 60V, Vout = 3.3V/5V @ 4A | 82Y0503 | --- |
| DC2237A | LTM8064 Demo Board, CVCC Source/Sink Step-Down µModule Regulator, 7.5V ≤ VIN ≤ 58V, Vout = 5V @ ±6A | 82Y0506 | --- |
| DC2422A-A | LTC7812EUH Demo Board, Sync Buck + Sync Boost, 4V ≤ VIN ≤ 36V; VOUT = 12V @ 8A | 82Y0507 | 80.00 |
| DC2422A-B | LTC7812EUH Demo Board, Sync Boost + Sync Buck, 4V ≤ VIN ≤ 36V; VOUT1 (Quasi Regulated) = 10V-16V @ 6-8A | 82Y0508 | 80.00 |
| DC2422A-C | LTC7812EUH Demo Board, Sync Boost + Sync Buck, 4V ≤ VIN ≤ 36V; VBoost = 12V; Vbuck = 12V to 5V @ 8A | 82Y0509 | --- |

PIM_5576539

LINEAR TECHNOLOGY - LDO REGULATOR SELECTION


Linear Technology manufactures a broad line of high performance low dropout linear regulators (LDO). These LDOs offer very low dropout, fast transient response, excellent line and load regulation, and have a very wide input voltage range, from 0.9V to 80V. Output currents range from 100mA to 10A, with positive, negative and multiple outputs. LDO+ devices provide additional functionality and features beyond the basic linear regulator performance. Functionality may include voltage, current and temperature monitoring, diagnostic information and features such as programmable current limit, active output discharge or the ability to control an upstream supply powering the LDO. To view Newark's complete offering, please go to www.newark.com

| Mfg. Part No. | Description | Stock No. | Price Each 1-24+ |
|----------------------------------|--|-----------|---------------------|
| LDO Regulators-Adjustable | | | |
| ● LT3042EDD#PBF | 20V, 200mA, Ultralow Noise, Ultrahigh PSRR RF Linear Regulator | 45Y0523 | --- |
| ● LT1175CS8#PBF | 500mA Negative Low Dropout Micropower Regulator | 57M2460 | --- |
| ● LT1762EMS8#PBF | 150mA, Low Noise, LDO Micropower Regulators | 57M6011 | --- |
| ● LT1763CS8#PBF | 500mA, Low Noise, LDO Micropower Regulators | 57M6066 | --- |
| ● LT1764AEQ#PBF | 3A, Fast Transient Response, Low Noise, LDO Regulators | 57M6108 | --- |
| ● LT1962EMS8#PBF | 300mA, Low Noise, Micropower LDO Regulators | 57M7404 | 2.08 |
| ● LT1963AEQ#PBF | 1.5A, Low Noise, Fast Transient Response LDO Regulators | 57M7443 | --- |
| ● LT1964ES5-BYP#TRMPBF | 200mA, Low Noise, Low Dropout Negative Micropower Regulator | 57M7582 | --- |
| ● LT3010EMS8E#PBF | 50mA, 3V to 80V Low Dropout Micropower Linear Regulator | 57M7843 | --- |
| ● LT3021ES8#PBF | 500mA, Low Voltage, Very Low Dropout Linear Regulator | 57M8006 | --- |
| ● LT1761ES5-BYP#TRMPBF | 100mA, Low Noise, LDO Micropower Regulators in TSOT-23 | 59M8293 | --- |
| ● LT3080EMS8E#PBF | Adjustable 1.1A Single Resistor Low Dropout Regulator | 75M4716 | --- |
| ● LT3066EDE#PBF | 45V VIN, 500mA Low Noise, Linear Regulator with Programmable Current Limit and Active Output Discharge | 77Y5443 | --- |

LDO Regulators-Fixed

| | | | |
|-----------------------|---|---------|-----|
| ● LT3060EDC-15#TRMPBF | 45V VIN, Micropower, Low Noise, 100mA Low Dropout, Linear Regulator | 30Y6547 | --- |
| ● LT11291ST-5#PBF | Micropower Low Dropout Regulators with Shutdown | 57M2106 | --- |
| ● LT1763CS8-3.3#PBF | 500mA, Low Noise, LDO Micropower Regulators | 57M6056 | --- |
| ● LT1764AEQ-3.3#PBF | 3A, Fast Transient Response, Low Noise, LDO Regulators | 57M6105 | --- |
| ● LT1962EMS8-5#PBF | 300mA, Low Noise, Micropower LDO Regulators | 57M7401 | --- |
| ● LT1963AEST-3.3#PBF | 1.5A, Low Noise, Fast Transient Response LDO Regulators | 57M7459 | --- |
| ● LT3010EMS8-5#PBF | 50mA, 3V to 80V Low Dropout Micropower Linear Regulator | 57M7840 | --- |
| ● LT1964ES5-5#PBF | 200mA, Low Noise, Low Dropout Negative Micropower Regulator | 59M8319 | --- |
| ● LT1761ES5-5#PBF | 100mA, Low Noise, LDO Micropower Regulators in TSOT-23 | 61M3359 | --- |

PIM_5576541

LINEAR TECHNOLOGY - LED DRIVER SELECTION


Linear Technology has a very broad line of LED driver ICs for automotive, display backlighting, handheld and general lighting applications. They are configured as either Inductorless white LED drivers (for LEDs in parallel), or switching regulator based white LED drivers (for LEDs in series). Topologies include boost regulator LED drivers, buck regulator LED drivers, buck-boost LED drivers, SEPIC topology led drivers and more. Regardless of topology, these LED driver ICs offer the highest efficiency, lowest noise, and the smallest footprints. Other features of Linear Technology LED driver include integrated Schottky diodes, accurate LED current matching and multiple output capability. Go to www.newark.com to learn more about the complete portfolio.

► CONTINUED ►

LINEAR TECHNOLOGY - LED DRIVER SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Price Each 1-24+ |
|--------------------|---|-----------|---------------------|
| LED Drivers | | | |
| ● LT3744EUEH#PBF | High Current Synchronous Step-Down LED Driver | 45Y0539 | 4.98 |
| ● LT3952EFE#PBF | 60V LED Driver with 4A Switch Current | 47Y5752 | --- |
| LT3909EDD#PBF | 2-String × 60mA, 2MHz Step-Up LED Driver with ±2% Current Matching | 56Y1588 | --- |
| ● LT8500ETJ#PBF | 48-Channel LED PWM Generator with 12-Bit Resolution and 50MHz Cascadable Serial Interface | 76Y2412 | 1.40 |
| ● LT3965EFE#PBF | 8-Switch Matrix LED Dimmer | 80Y1645 | --- |
| ● LT3761AEMSE#PBF | 60VIN LED Controller with Internal PWM Generator | 84Y6875 | 1.63 |
| ● LT8391EFE#PBF | 60V Synchronous 4-Switch Buck-Boost LED Controller with Spread Spectrum | 84Y8899 | 5.23 |

PIM_5576543

LINEAR TECHNOLOGY - SUPERVISOR AND MONITOR SELECTION


Linear Technology provides an extensive array of integrated circuits to monitor and control circuit board DC power supplies, and protect electronics from damaging voltages and currents. Monitoring functions include voltage supervision for reset generation, as well as ADC-based digital measurements of voltage, current, charge, power, energy, and temperature. For power control, devices can turn on/off power supply rails (e.g., through a pushbutton) and also sequence, track, trim, and margin them with precision. Devices such as Surge Stoppers, Hot Swap and Ideal diode controllers protect electronic sub-systems against abnormal voltages (undervoltage, overvoltage surges such as automotive load dump, reversed inputs, or reversed output ports) and currents (short-circuits, overcurrents, or reverse currents). Our robust Power over Ethernet (PoE) controllers allow up to 90W of power to be managed and transferred between power sourcing equipment (PSE) and powered devices (PDs) over low-cost Ethernet cables, thereby avoiding costly AC outlet installations and running power cables. All of these devices incorporate a high degree of accuracy, offer varying levels of functional integration, and feature analog or digital configuration, resulting in cost-efficient designs that would otherwise be burdened with multiple complicated components when designed discretely. The Monitor, Control and Protection family provides convenient solutions for the growing number of analog and digital power management functions demanded by today's high-performance systems. To view Newark's complete offering, please go to www.newark.com

| Mfg. Part No. | Description | Stock No. | Price Each 1-24+ |
|---------------------------------|--|-----------|---------------------|
| Supervisors and Monitors | | | |
| ● LTC2936CUFD#PBF | Programmable Hex Voltage Supervisor with EEPROM and Comparator Outputs | 38Y9879 | --- |
| ● LTC2956IMS-2#PBF | Wake-Up Timer with Pushbutton Control | 41Y2807 | --- |
| ● LTC1696HS6#TRMPBF | Oversupply Protection Controller | 56Y1532 | --- |
| ● LTC2937IUHE#PBF | Programmable Six Channel Sequencer and Voltage Supervisor with EEPROM | 66Y7081 | --- |
| ● LTC2945HMS#PBF | Wide Range I2C Power Monitor | 66Y7085 | --- |

PIM_5576545

LINEAR TECHNOLOGY - VOLTAGE REFERENCE SELECTION


Linear Technology offers a broad line of series and shunt precision voltage references. Shunt voltage references operate in a manner that is functionally equivalent to a Zener diode. Series voltage references operate in a manner that is functionally equivalent to a 3 terminal regulator. Many of Linear Technology's voltage references are designed to operate in either series or shunt mode. All of our products offer excellent initial accuracy and low drift over time and temperature. Linear Technology's "Reference+" parts combine precision voltage references with comparators or amplifiers. To view Newark's complete offering, please go to www.newark.com

| Mfg. Part No. | Description | Stock No. | Price Each 1-24+ |
|--------------------------|---|-----------|---------------------|
| Voltage Reference | | | |
| ● LT6654B HLS-2.048#PBF | Precision Wide Supply High Output Drive Low Noise Reference | 66Y7210 | --- |
| ● LT6657AHMS8-2.5#PBF | 1.5ppm/°C Drift, Low Noise, Buffered Reference | 66Y7211 | --- |

PIM_5576547

MAXIM POWER MANAGEMENT SELECTION


Maxim is a leading supplier of integrated circuits for power and battery management applications. Maxim offers a wide range of power conversion and control ICs and our battery management products provide charging and monitoring functions. Maxim products are designed to meet the needs of various applications in industrial, communications, automotive, consumer and medical markets

| Mfg. Part No. | Stock No. |
|---------------|-----------|
| HIP6013CB | 05B6843 |

MAXIM - DC/DC CONTROLLERS, CONVERTERS & SWITCHING REGULATOR SELECTION


Maxim's high-efficiency switching regulator ICs and power modules provide longer battery life, generate less heat, and require less board space than competitive products. Maxim provides D598 a wide selection of DC-DC switching regulators and controllers to handle a broad range of applications. To view Newark's complete offering, please go to www.newark.com

► CONTINUED ►

POWER MANAGEMENT ICS

1

MAXIM - DC/DC CONTROLLERS, CONVERTERS & SWITCHING REGULATOR SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Price Each |
|---|---|-----------|------------|
| DC/DC Controllers | | | |
| ● MAX15035ETL+ | 15A Step-Down Regulator with Internal Switches | 73Y2378 | 17.14 |
| ● MAX15059AETE+T | 76V, 300mW Boost Converter and Current Monitor for APD Bias Applications | 73Y2383 | 3.19 |
| ● MAX15062AATA+T | 60V, 300mA, Synchronous Step-Down DC-DC Converter | 73Y2386 | 2.26 |
| ● MAX1744EUB+ | High-Voltage, Step-Down DC-DC Controller in UMAX | 73Y2623 | 4.97 |
| ● MAX1745AUB+ | High-Voltage, Step-Down DC-DC Controller in UMAX | 73Y2626 | 5.29 |
| ● MAX17505ATP+ | 1.7A, 60V Synchronous Buck Regulator | 73Y2645 | 3.65 |
| ● MAX17544ATP+ | 3.5A, 60V, Synchronous Buck Regulator | 73Y2650 | 3.48 |
| ● MAX17545ATP+ | 4.5V to 42V, 1.7A, Synchronous Buck Regulator | 73Y2651 | 2.78 |
| ● MAX17552AUB+ | 4.5V to 60V, 100mA Synchronous Buck Regulator | 73Y2652 | 2.28 |
| ● MAX1821EUB+ | WCDMA Cellular Phone 600mA Buck Regulators | 73Y2713 | --- |
| ● MAX1953EUB+T | Low-Cost, High-Frequency, Current-Mode PWM Buck Controllers | 73Y2809 | 3.78 |
| ● MAX1954EUB+ | Low-Cost, High-Frequency, Current-Mode PWM Buck Controllers | 73Y2810 | --- |
| ● MAX767CAP+ | 5V to 3.3V Output, Synchronous, Step-Down Power Supply Controller | 73Y5984 | 8.92 |
| DC/DC Integrated POL Converters | | | |
| ● MAXM17543ALJ+ | 60V, 2.5A Integrated Inductor Power Module | 84Y5975 | 11.27 |
| ● MAXM17544ALJ+ | 60V, 2.5A Integrated Inductor Power Module | 84Y5977 | --- |
| ● MAXM17545ALJ+ | 60V, 2.5A Integrated Inductor Power Module | 84Y5979 | 10.72 |
| DC/DC Switching Regulators-Fixed | | | |
| ● MAX1692EUB+ | Low-Noise, 5.5V Input, PWM Step-Down Regulator | 73Y2560 | 4.77 |
| ● MAX1951ESA+T | 1MHz, All-Ceramic, 2.6V to 5.5V Input, 2A PWM Step-Down DC-to-DC Regulators | 73Y2806 | 4.80 |
| ● MAX635ACSA+ | Preset/Adjustable Output CMOS Inverting Switching Regulators | 73Y5393 | 5.10 |
| ● MAX636ACPA+ | Preset/Adjustable Output CMOS Inverting Switching Regulators | 73Y5401 | --- |
| ● MAX643AEPA+ | 5V Adjustable, 10W, CMOS, Step-Up, Switching Regulator Controller | 73Y5483 | 7.33 |
| ● MAX732EWE+ | +12V/+15V Step-Up Current-Mode PWM Regulators | 73Y5873 | 10.56 |
| ● MAXM17503ALJ+ | 60V, 2.5A Integrated Inductor Power Module | 84Y5963 | 11.54 |
| ● MAXM17504ALJ+ | 60V, 2.5A Integrated Inductor Power Module | 84Y5965 | 12.62 |
| ● MAXM17505ALJ+ | 60V, 2.5A Integrated Inductor Power Module | 84Y5967 | 11.04 |
| ● MAXM17514AL+ | 4A 125°C Power Modules | 84Y5969 | --- |
| ● MAXM17515AL+ | 5.5V, 5A 125°C Power Modules | 84Y5971 | --- |
| ● MAXM17516AL+ | 6A 125°C Power Modules | 84Y5973 | --- |
| Popular DC/DC Controllers, Converters & Switching Regulators Module Demo Boards | | | |
| ● MAXM17503EVKIT# | Evaluation kit for 60V, 2.5A Integrated Inductor Power Module | 84Y5964 | 31.18 |
| ● MAXM17504EVKIT# | Evaluation kit for 60V, 2.5A Integrated Inductor Power Module | 84Y5966 | 31.18 |
| ● MAXM17505EVKIT# | Evaluation kit for 60V, 2.5A Integrated Inductor Power Module | 84Y5968 | 30.45 |
| ● MAXM17514EVKIT# | EVKIT for 4A 125°C Power Modules | 84Y5970 | 36.08 |
| ● MAXM17515EVKIT# | EVkit for 5.5V, 5A 125°C Power Modules | 84Y5972 | 36.08 |
| ● MAXM17516EVKIT# | EVKIT for 6A 125°C Power Modules | 84Y5974 | 30.45 |
| ● MAXM17543EVKIT# | Evaluation kit for 60V, 2.5A Integrated Inductor Power Module | 84Y5976 | 34.31 |
| ● MAXM17544EVKIT# | Evaluation kit for 60V, 2.5A Integrated Inductor Power Module | 84Y5978 | 36.08 |
| ● MAXM17545EVKIT# | Evaluation kit for 60V, 2.5A Integrated Inductor Power Module | 84Y5980 | 31.18 |

PIM_5576564

MAXIM - LDO REGULATOR SELECTION



| Mfg. Part No. | Description | Stock No. | Tape Cut |
|------------------|---|-----------|----------|
| LDO Regulators | | | |
| ● MAX15006AATT+T | 40V, Ultra-Low Quiescent-Current Linear Regulators in 6-Pin TDFN/8-Pin SO | 73Y2354 | 3.09 |
| ● MAX1726EU33+T | 12V, Ultra-Low-IQ, Low-Dropout Linear Regulators | 73Y2615 | 3.71 |
| ● MAX1818EUT33+T | 500mA, Low-Dropout Linear Regulator in SOT23 | 73Y2711 | 2.83 |
| ● MAX603CSA+ | 5V/3.3V or Adjustable, Low-Dropout, Low-IQ, 500mA Linear Regulators | 73Y5157 | 4.20 |
| ● MAX604ESA+T | 5V/3.3V or Adjustable, Low-Dropout, Low-IQ, 500mA Linear Regulators | 73Y5173 | 5.29 |

► CONTINUED ►

MAXIM - LDO REGULATOR SELECTION (CONT.)

| | | | |
|-----------------|--|---------|------|
| ● MAX8902AATA+T | Low-Noise 500mA LDO Regulators in a 2mm x 2mm TDFN Package | 73Y6247 | 3.17 |
| PIM_5576576 | | | |

MAXIM - POWER MANAGEMENT SELECTION



Maxim's power-switching products simplify system power management by combining control logic with integrated power MOSFETs or drivers for external MOSFETs. These devices add monitoring and safety features such as overvoltage protection (OVP), short-circuit protection, and overtemperature protection. High-brightness LED drivers are integrated circuits that are optimized to efficiently drive strings of high-brightness LEDs. Maxim's continually expanding portfolio includes products covering the full range of efficient switch-mode topologies (step-down, step-up, SEPIC) as well as some linear LED drivers. Go to www.newark.com to learn more about the complete portfolio.

| Mfg. Part No. | Description | Stock No. | Price Each |
|---------------|-------------|-----------|------------|
| LED Drivers | | | |

| | | | |
|----------------|--|---------|-------|
| ● ICM7218BIP1+ | 8-Digit, Multiplexed, LED Decoder Driver | 73Y1787 | 9.09 |
| ● MAX6952EAX+ | 4-Wire Interfaced, 2.7V to 5.5V, 4-Digit 5 x 7 Matrix LED Display Driver | 73Y5732 | 17.56 |
| ● MAX6968APE+ | 8-Port, 5.5V Constant-Current LED Driver | 73Y5754 | 4.21 |
| ● MAX6969ANG+ | 16-Port, 5.5V Constant-Current LED Driver | 73Y5756 | 6.56 |
| ● MAX7219CWG+T | Serially Interfaced, 8-Digit, LED Display Drivers | 73Y5834 | 8.90 |

MOSFET Drivers

| | | | |
|-----------------|--|---------|------|
| ● ICL7667CPA+ | Dual-Power MOSFET Driver (Inverting) | 73Y1774 | 4.24 |
| ● MAX4420CPA+ | High-Speed, 6A MOSFET Driver (Noninverting) | 73Y4114 | 2.75 |
| ● MAX4427EPA+ | Dual High-Speed, 1.5A MOSFET Drivers | 73Y4140 | 4.82 |
| ● MAX4427ESAS+T | Dual High-Speed, 1.5A MOSFET Drivers | 73Y4141 | 4.69 |
| ● MAX5048CAUT+T | 7A Sink/3A Source Current, 8ns, SOT23, MOSFET Driver | 73Y4680 | 1.19 |

Motor Driver Reference Design

| | | | |
|----------------|--|---------|-------|
| ● MAXREFDES89# | MAXREFDES89#: MAX14871 Full-Bridge DC Motor Driver mbed Shield | 77Y7641 | 49.91 |
|----------------|--|---------|-------|

PIM_5576579

MAXIM - SUPERVISOR AND MONITOR SELECTION



| Mfg. Part No. | Description | Stock No. | Price Each |
|--------------------------|--|-----------|------------|
| Supervisors and Monitors | | | |
| ● DS1232LPSN-2+ | Low-Power MicroMonitor Chip | 73Y1130 | 5.03 |
| ● DS1233-15+ | 5V EconoReset | 73Y1137 | 1.25 |
| ● DS123M-5+ | EconoReset | 73Y1151 | 1.33 |
| ● DS1705ESA+ | 3.3V and 5.0V MicroMonitor | 73Y1336 | 7.60 |
| ● DS1706ESA+ | 3.3V and 5.0V MicroMonitor | 73Y1337 | 3.76 |
| ● DS1708ESA+ | 3.3 and 5.0 Volt MicroMonitor | 73Y1347 | 3.76 |
| ● DS1811-10+ | 5V EconoReset with Open Drain Output | 73Y1433 | 2.43 |
| ● DS1813-5+ | 5V EconoReset with Pushbutton | 73Y1446 | 1.31 |
| ● DS1818-10+ | 3.3V EconoReset with Pushbutton | 73Y1457 | 3.96 |
| ● DS1833-10+ | 5V EconoReset | 73Y1476 | --- |
| ● MAX16997AAU+ | High-Voltage Watchdog Timers with Adjustable Timeout Delay | 73Y2586 | 2.17 |
| ● MAX6765TTLD2+T | Automotive Micropower Linear Regulators with Supervisor | 73Y5659 | 5.95 |

PIM_5576587

MAXIM - VOLTAGE REFERENCE SELECTION



| Mfg. Part No. | Description | Stock No. | Tape Cut |
|--------------------|---|-----------|----------|
| Voltage References | | | |
| ● DS4303R+T&R | Electronically Programmable Voltage Reference | 73Y1642 | 3.54 |
| ● LM4041BIX3-1.2+T | Improved Precision Micropower Shunt Voltage Reference | 73Y1827 | 1.22 |
| ● LM4050BEM3-2.5+T | 50ppm/°C Precision Micropower Shunt Voltage References with Multiple Reverse Breakdown Voltages | 73Y1835 | 4.19 |
| ● MAX6001EUR+T | Low-Cost, Low-Power, Low-Dropout, SOT23-3 Voltage References | 73Y5125 | 1.36 |
| ● MAX6003EUR+T | Low-Cost, Low-Power, Low-Dropout, SOT23-3 Voltage References | 73Y5126 | 1.26 |
| ● MAX6006AEUR+T | 1µA SOT23 Precision Shunt Voltage Reference | 73Y5130 | 2.16 |
| ● MAX6007AEUR+T | 1µA SOT23 Precision Shunt Voltage Reference | 73Y5134 | 2.52 |
| ● MAX6035AAUR50+T | High-Supply-Voltage, Precision Voltage Reference in SOT23 | 73Y5165 | 2.63 |
| ● MAX6070AAUT25+T | Low-Noise, High-Precision Series Voltage References | 73Y5187 | 2.63 |

► CONTINUED ►

MAXIM - VOLTAGE REFERENCE SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Tape Cut 1-9+ |
|--------------------------|--|-----------|------------------|
| Voltage Reference | | | |
| MAX6071AAUT25+T | Low-Noise, High-Precision Series Voltage References | 73Y5193 | 2.74 |
| MAX125EUR+T | SOT23, Low-Cost, Low-Dropout, 3-Terminal Voltage References | 73Y5209 | 3.48 |
| MAX126BASA30+ | Ultra-High-Precision, Ultra-Low-Noise, Series Voltage Reference | 73Y5221 | 5.18 |
| MAX150EUR+T | SOT23, Low-Cost, Low-Dropout, 3-Terminal Voltage References | 73Y5250 | 3.48 |
| MAX162AES+ | Precision, Micropower, Low-Dropout, High-Output-Current, SO-8 Voltage References | 73Y5254 | 4.55 |
| MAX165BESA+ | Precision, Micropower, Low-Dropout, High-Output-Current, SO-8 Voltage References | 73Y5259 | 3.14 |
| MAX250BCPA+ | Low-Noise, Precision, +2.5V/+4.096V/+5V Voltage References | 73Y5301 | 6.70 |
| MAX6350EPA+ | 1ppm/ ^o C, Low-Noise, +2.5V/+4.096V/+5V Voltage References | 73Y5396 | 14.24 |
| MAX8515AEXK+T | Wide-Input 0.6V Shunt Regulators for Isolated DC-DC Converters | 73Y6130 | 1.13 |
| REF02CESA+ | +5V, +10V Precision Voltage References | 73Y6716 | 3.59 |
| REF02HP+ | +5V, +10V Precision Voltage References | 73Y6718 | 4.82 |

PIM_5576589

TI POWER MANAGEMENT SELECTION



TI's power management integrated circuits (ICs) range from standard ICs to integrated solutions, including power modules, digital power, battery management, and high-performance MOSFETs and gate drivers. TI's extensive product selection ranges from isolated AC/DC and DC/DC power supply controllers and non-isolated voltage regulators, such as switching DC/DC converters and linear regulators, to PMIC and LED drivers and display solutions. Please go to www.newark.com for Newark's complete offering of TI Power management products.

| Mfg. Part No. | Stock No. |
|---------------|-----------|
| HIP6013CB | 05B6843 |

PIM_5576440

TEXAS INSTRUMENTS - BATTERY MANAGEMENT SELECTION



Get longer running, healthier batteries with battery management solutions from TI. Find Newark's complete TI Battery Management portfolio of innovative products at www.newark.com.

| Mfg. Part No. | Description | Stock No. | Price Each 1+ |
|---|---|-----------|------------------|
| Battery Charger | | | |
| BQ25120YFPT | 700nA Low Iq Highly Integrated Battery Charge Management Solution for Wearables and IoT | 66Y6568 | --- |
| BQ24040DSQT | 1A Single-Input, Single Cell Li-Ion Battery Charger, Vovp=6.6V, Linear | 87W5891 | --- |
| BQ24074RGTT | USB-Friendly Li-Ion Battery Charger and Power-Path Management IC | 87W8508 | 0.98 |
| Battery Fuel Gauge | | | |
| BQ40260RHBT | Complete Multi-Cell Battery Manager, Battery Fuel (Gas) Gauge | 38Y6636 | --- |
| BQ27546YZFT-G1 | Single Cell Impedance Track System Side Fuel Gauge | 51Y4164 | --- |
| BQ78Z100DRZT | Impedance Track™ Battery Fuel (Gas) Gauge for 1-Series to 2-Series | 70Y5451 | --- |
| Battery Supervisors & Monitors | | | |
| BQ296103DSGT | 2-4S Overvoltage Protector with LDO Output | 51Y4166 | --- |
| BQ296106DSGT | 2-4S Overvoltage Protector with LDO Output | 80Y6485 | --- |
| BQ296107DSGT | 2-4S Overvoltage Protector with LDO Output | 80Y6486 | --- |
| BQ296111DSGT | 2-4S Overvoltage Protector with LDO Output | 80Y6487 | --- |
| Popular Battery Management Demo Boards | | | |
| BQ24010EVM | 1-A Li-Ion Charger Evaluation Module with Power-Good, Temp. Sense | 02H5052 | --- |
| BQ24210EVM-678 | Evaluation Module for BQ24210 800mA, Single-Input, Single Cell Li-Ion Battery Solar Charger | 27T6202 | --- |

► CONTINUED ►

TEXAS INSTRUMENTS - BATTERY MANAGEMENT SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Price Each 1+ |
|---|--|-----------|------------------|
| Popular Battery Management Demo Boards | | | |
| BQ33100EVM-001 | Evaluation Module for bq33100 Fully Integrated, Single Chip, Super Capacitor Manager | 40T4619 | --- |
| BQ24113EVM | BQ24113 Evaluation Module | 43J2510 | --- |
| BQ25120EVM-731 | 700nA Low Iq Highly Integrated Battery Chg Management Solution for Wearables & IoT Evaluation Module | 58Y6252 | --- |

PIM_5576482

TEXAS INSTRUMENTS - DC/DC CONTROLLERS, CONVERTERS & SWITCHING REGULATOR SELECTION



For almost any given input voltage and output current, TI has a DC/DC regulator to meet your design requirements. And for most conversions, TI offers a choice of regulator types, from flexible DC/DC controllers all the way to highly-integrated DC/DC power modules. To view Newark's complete offering, please go to www.newark.com

| Mfg. Part No. | Description | Stock No. | Tape Cut 1-9+ |
|--|--|-----------|------------------|
| DC/DC Controllers | | | |
| LM3488MM/NOPB | 40V Wide Vin Low-Side N-Channel Controller for Switching Regulators | 41K4832 | 0.81 |
| LM3481MM/NOPB | High-Efficiency Controller for Boost, SEPIC and Flyback DC-DC Converters | 84M8119 | 0.79 |
| DC/DC Integrated POL Converters | | | |
| LMZ21700SILT | SIMPLE SWITCHER® 3V to 17V, 650mA High Density Nano Module | 26Y2170 | --- |
| LMZ21701SILT | SIMPLE SWITCHER® 3V to 17V, 1A High Density Nano Module | 26Y2171 | --- |
| LMZ20501SILT | SIMPLE SWITCHER® 2.7V to 5.5V, 1A High Density Nano Module | 31Y6650 | --- |
| LMZ20502SILT | SIMPLE SWITCHER® 2.7V to 5.5V, 2A High Density Nano Module | 31Y6651 | 4.88 |
| TPS82085SILT | 3A, High-Efficiency Step-Down Converter Module with Integrated Inductor | 51Y4204 | --- |
| LMZ36002RVQ | SIMPLE SWITCHER® 4.5V to 60V, 2A Step-Down Power Module in QFN Package | 68Y5810 | 3.37 |
| DC/DC Switching Regulators-Adjustable | | | |
| MC33063ADR | 1.5-A Peak Boost/Buck/Inverting Switching Regulator | 04K3496 | 0.18 |
| MC34063ADR | 1.5-A Boost/Buck/Inverting Switching Regulator | 04K3499 | --- |
| LM2678S-ADJ/NOPB | SIMPLE SWITCHER High Efficiency 5A Step-Down Voltage Regulator | 28K1912 | --- |
| LM2575HVT-ADJ/NOPB | 1-A Simple Step-Down Adjustable Voltage Switching Regulator with Output Enable | 41K3637 | --- |
| LM2575S-ADJ/NOPB | 1-A Simple Step-Down Adjustable Voltage Switching Regulator with Output Enable | 41K3656 | 2.43 |
| LM2576HVT-ADJ/NOPB | SIMPLE SWITCHER® 40V, 3A Low Component Count Step-Down Regulator | 41K3681 | --- |
| LM2576S-ADJ/NOPB | SIMPLE SWITCHER® 40V, 3A Low Component Count Step-Down Regulator | 41K3686 | 3.33 |
| LM2576T-ADJ/NOPB | SIMPLE SWITCHER® 40V, 3A Low Component Count Step-Down Regulator | 41K3696 | 2.77 |
| LM2596S-ADJ/NOPB | SIMPLE SWITCHER® 4.5V to 40V, 3A Low Component Count Step-Down Regulator | 41K3842 | 2.40 |
| LM2611BMF/NOPB | 1.4MHz Cuk Converter | 41K3930 | 3.08 |
| LM2621MM/NOPB | Low Input Voltage, Step-Up DC-DC | 41K3952 | 2.23 |
| LM2676S-ADJ/NOPB | SIMPLE SWITCHER® 8V to 40V, 3A Low Component Count Step-Down Regulator | 41K4150 | --- |
| LM2733YMF/NOPB | 0.6/1.6 MHz Boost Converters With 40V Internal FET Switch in SOT-23 | 41K4305 | 1.67 |
| LM5008MM/NOPB | 9.5-95V Wide Vin, 350mA Constant On-Time Non-Synchronous Buck Regulator | 41K6028 | 2.69 |
| LM7840CN/NOPB | Universal Switching Regulator Subsystem | 41K6339 | --- |
| LM27342MY/NOPB | 2A - Wide Input Range Buck Regulator with Frequency Synchronization | 46P3254 | --- |
| TPS5430QDDARQ1 | 5.5V to 36V Input, 3A, 500kHz Step-Down Converter | 65M6332 | 4.33 |
| LM5010AMH/NOPB | 8-75V Wide Vin, 1A Constant On-Time Non-Synchronous Buck Regulator | 69K2586 | --- |
| TPS62130RGTT | 3-17V 3A Step-Down Converter with DCS-Control in 3x3 QFN Package | 74T5527 | 0.99 |
| TPS5430DDA | 5.5V to 36V Input, 3A, 500kHz Step-Down Converter | 75K1619 | 1.95 |
| TPS63060DSCR | 2.5V to 12V input voltage, 93% Efficient, 2.25A Switch Current Limit, Buck-Boost Converter | 76T8143 | --- |
| TPS63000DRCR | 96% Buck-Boost Converter with 1.8A Current Switches in 3x3 QFN | 85K1709 | 1.37 |
| TPS61170DRV | 1.2A Switch, High Voltage Boost Converter in 2x2mm QFN Package | 86W6330 | --- |
| TPS54620RGYR | 4.5V to 17V Input, 6A Synchronous Step-Down SWIFT™ Converter | 87W8582 | 1.96 |

► CONTINUED ►

POWER MANAGEMENT ICS

TEXAS INSTRUMENTS - DC/DC CONTROLLERS, CONVERTERS & SWITCHING REGULATOR SELECTION (CONT.)

| Mfg. Part No. | Description | Stock No. | Tape Cut |
|--|---|-----------|----------|
| DC/DC Switching Regulators-Adjustable | | | |
| ● TPS61220DCKR | Low Input Voltage, 0.7V Boost Converter with 5.5µA Quiescent Current | 87W8589 | --- |
| ● TPS54231DR | 3.5 to 28V Input, 2A, 570kHz Step-Down Converter with Eco-mode™ | 94T5096 | 1.54 |
| DC/DC Switching Regulators-Fixed | | | |
| ● TL2575-05IKTR | 1-A Simple Step-Down Switching Voltage Regulators | 27M1030 | --- |
| ● LM2574M-5.0/NOPB | SIMPLE SWITCHER® 0.5A Step-Down Voltage Regulator | 41K3604 | --- |
| ● LM2576S-5.0/NOPB | SIMPLE SWITCHER® 40V, 3A Low Component Count Step-Down Regulator | 41K3690 | --- |
| ● LM2576T-12/NOPB | SIMPLE SWITCHER® 40V, 3A Low Component Count Step-Down Regulator | 41K3697 | --- |
| ● LM2576T-5.0/NOPB | SIMPLE SWITCHER® 40V, 3A Low Component Count Step-Down Regulator | 41K3700 | 1.17 |
| ● LM2596SX-5.0/NOPB | SIMPLE SWITCHER® 4.5V to 40V, 3A Low Component Count Step-Down Regulator | 41K3848 | --- |
| ● LM2672M-5.0/NOPB | SIMPLE SWITCHER® 6.5V to 40V, 1A Low Component Count Step-Down Regulator | 41K4081 | --- |
| ● LM2672MX-ADJ/NOPB | SIMPLE SWITCHER® 6.5V to 40V, 1A Low Component Count Step-Down Regulator | 41K4082 | --- |
| ● LM2674M-5.0/NOPB | SIMPLE SWITCHER® 40V, 500mA Low Component Count Step-Down Regulator | 41K4121 | 3.82 |
| ● LM2674MX-5.0/NOPB | SIMPLE SWITCHER® 40V, 500mA Low Component Count Step-Down Regulator | 41K4125 | --- |
| ● LM2675M-3.3/NOPB | SIMPLE SWITCHER® 6.5V to 40V, 1A Low Component Count Step-Down Regulator | 41K4140 | 5.09 |
| ● LM2675M-5.0/NOPB | SIMPLE SWITCHER® 6.5V to 40V, 1A Low Component Count Step-Down Regulator | 41K4141 | --- |
| ● LM2675MX-5.0/NOPB | SIMPLE SWITCHER® 6.5V to 40V, 1A Low Component Count Step-Down Regulator | 41K4145 | 2.13 |
| ● LM2676S-5.0/NOPB | SIMPLE SWITCHER® 8V to 40V, 3A Low Component Count Step-Down Regulator | 41K4153 | --- |
| ● LM2676SX-3.3/NOPB | SIMPLE SWITCHER® 8V to 40V, 3A Low Component Count Step-Down Regulator | 41K4164 | --- |
| ● LM3578AN/NOPB | Switching Regulator | 41K4885 | 1.74 |
| ● TPS62172DSGT | 3-17V 0.5A Step-Down Converter in 2x2 QFN package | 74T5567 | 1.48 |
| ● TPS63001DRCR | 96% Buck-Boost Converter with 1.7A Current Switches, 3.3V fixed Output voltage in 3x3 QFN | 85K1711 | --- |

Popular DC/DC Controllers, Converters & Switching Regulators Module Demo Boards

| | | | |
|-----------------------|--|---------|------|
| LM27342MYEVAL | LM27342MY (10-Pin eMSOP) 2MHz 2A Wide Input Buck Regulator w/ Frequency Synchronization EVM | 04R9153 | 6.28 |
| LM3481SEPICEVAL/NOPB | LM3481 SEPIC Evaluation Board | 05W7795 | --- |
| LMZ20501EVM | LMZ20501 1A SIMPLE SWITCHER® Nano Module Evaluation Board | 42X6089 | --- |
| LMZ20502EVM | LMZ20502 2A SIMPLE SWITCHER® Nano Module Evaluation Board | 42X6090 | --- |
| ● LM3150-500EVAL/NOPB | Evaluation Board for LM3150-500 kHz - SIMPLE SWITCHER® CONTROLLER, 42V Synchronous Step-Down | 47T7464 | --- |

PIM_5576506

TEXAS INSTRUMENTS - LDO REGULATOR SELECTION


TEXAS INSTRUMENTS
Authorized Distributor

Texas Instruments (TI) has the broadest portfolio of small LDO and linear regulators that help you design high-performance and cost-effective solutions for space constrained applications. To view Newark's complete offering, please go to www.newark.com

| Mfg. Part No. | Description | Stock No. | Tape Cut |
|--------------------------------------|---|-----------|----------|
| LDO Regulators-Fixed | | | |
| ● LM2937IMP-3.3/NOPB | 500 mA Low Dropout Regulator | 28K1907 | --- |
| Voltage Regulators-Adjustable | | | |
| ● LM317T/NOPB | 3/4 Pin 1.5A Adjustable Positive Voltage Regulator | 41K4663 | --- |
| Voltage Regulators-Fixed | | | |
| ● LM340MP-5.0/NOPB | Space Saving High Voltage High Current 3 Terminal Positive Regulators | 41K4766 | --- |
| ● LM340T-5.0/NOPB | Space Saving High Voltage High Current 3 Terminal Positive Regulators | 41K4773 | 1.54 |

PIM_5576508

TEXAS INSTRUMENTS - POWER MANAGEMENT SELECTION

TEXAS INSTRUMENTS
Authorized Distributor


Texas Instruments' comprehensive portfolio of MOSFET and IGBT gate drivers offer different input and output configurations, a wide range of operating voltages and drive currents delivering high system reliability, efficiency and flexibility. TI's award-winning LED drivers and solutions give lighting developers the flexibility to optimize their designs to satisfy the demanding challenges of this dynamic market. From drop-in and spin to highly-complex industrial motors, TI has the most scalable motor solutions across a broad range of voltage, current, interface, integration and control options. Go to www.newark.com to learn more about the complete portfolio.

| Mfg. Part No. | Description | Stock No. | Price Each |
|--------------------|---|-----------|------------|
| LED Drivers | | | |
| ● TLC5916IN | 8-Bit Constant-Current LED Sink Driver | 60M1749 | --- |
| ● LM3407MY/NOPB | 350 mA, Constant Current Output Floating Buck Switching Converter for High Power LEDs | 78M7735 | --- |
| ● TPS61165DBVR | High Brightness White LED Driver in 2mm x 2mm QFN Package | 87W8588 | --- |
| ● TPS61165DRV | High Brightness White LED Driver in 2mm x 2mm QFN Package | 94T5099 | 0.72 |

MOSFET & IGBT Drivers

| | | | |
|-------------------|--|---------|------|
| ● UCC37322P | Single 9-A High Speed Low-Side MOSFET Driver With Enable | 02E7333 | 1.34 |
| ● TPL7407LDR | 40V, 7-Channel NMOS Array, Low Side Driver | 38X5927 | 0.20 |
| ● LM3478MM/NOPB | 40V Wide Vin Low-Side N-Channel Controller for Switching Regulator | 41K4818 | --- |
| ● LM5050MK-1/NOPB | High Side OR-ing FET Controller | 47T7502 | --- |
| ● UCC27531D | 2.5-A, 5-A, 35-VMAX VDD FET and IGBT Single Gate Driver | 68Y0887 | --- |

Motor Control Drivers

| | | | |
|------------------|--|---------|------|
| ● DRV8837DSGR | 1.8A Low Voltage Brushed DC Motor Driver (PWM Ctrl) | 06W2237 | 0.45 |
| ● DRV8833CRTET | 2A Low Voltage Dual Brushed DC or Single Bipolar Stepper Motor Driver (PWM Ctrl) | 26Y2167 | --- |
| ● LMD18201T/NOPB | 3-Amp, 55 Volt H-Bridge | 41K2746 | 8.94 |
| ● DRV10963PDSENT | 5-V, 3-Phase Sinusoidal Sensorless BLDC Motor Driver | 66Y6575 | 0.07 |

Popular Power Management Drivers Demo Boards

| | | | |
|-------------------|--|---------|-------|
| DRV8823EVM | DRV8823 Evaluation Module | 01T0052 | --- |
| TLC59116EVM-390 | 16-Channel LED Driver Evaluation Modu | 09R6480 | --- |
| DRV8432EVM | DRV8432 Evaluation Module | 44W1125 | --- |
| DRV10963AEVM | DRV10963 5V, 3-phase Sinusoidal Sensorless BLDC Motor Driver Evaluation Module | 58Y6269 | 19.67 |
| UCC27531EVM-184 | UCC27531 Evaluation Module | 66W6455 | --- |
| TPS61165EVM-283 | TPS61165EVM-283 Evaluation Module | 72M4772 | --- |
| ● LM3407EVAL/NOPB | 350mA, Constant Current Output Floating Buck Switching Regulator Evaluation Board | 77R5213 | --- |
| DRV201AEVM | DRV201A Evaluation Module for 100mA Voice Coil Motor Driver with Advanced Ringing Compensation | 99W6229 | --- |

PIM_5576510

New Products Added Daily

See the newest Technologies and Suppliers at newark.com/new-products

PIM_5624851

FAST RECOVERY RECTIFIERS

DIODES & FAST RECOVERY DIODES

RoHS Compliant Available

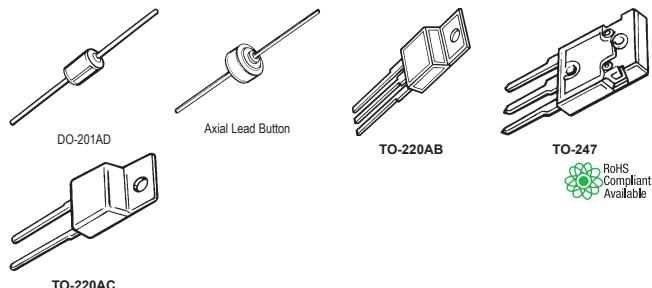
multicomp

| Mfg. Part No. | Vrrm Max | If(AV) | VF Max | I fsm Max | Operating Temp Max | Case Style | Stock No. | Tape Cut |
|---------------|----------|--------|--------|-----------|--------------------|---------------------|-----------|----------|
| Single | | | | | | | | 1-9+ |
| ● PS1010R | 1kV | 1A | 1.23V | 30A | 150°C | DO-204AL-2 | 97K7836 | --- |
| ● 1N4007. | 1kV | 1A | 1.23V | 30A | 150°C | DO-41-2 | 98K5005 | --- |
| ● FR307 | 1kV | 3A | 1.3V | 150A | 150°C | DO-201AD-2 | 97K0219 | --- |
| ● PS3010R | 1kV | 3A | 1.3V | 200A | 150°C | DO-201AD-2 | 97K7838 | 0.05 |
| ● 1N4002. | 100V | 1A | 1.1V | 30A | 150°C | DO-41-2 Pins | 93K6404 | --- |
| ● 1F4 | 400V | 1A | 1.3V | 150A | 150°C | Axial Leaded-2 Pins | 98K4930 | --- |
| ● P600G | 400V | 6A | 1V | 400A | 150°C | P600-2 Pins | 97K8219 | --- |
| ● P600K | 800V | 6A | 1.62V | 400A | 150°C | P600-2 | 97K8220 | --- |

PIM_116843

THRU-HOLE RECTIFIERS

ON Semiconductor

TJ Max. = 175°C, unless otherwise noted.
RoHS COMPLIANT - ULTRA-FAST RECTIFIERS

| Mfg. Part No. | Vrrm Max | If(AV) | VF Max | I fsm Max | Operating Temp Max | Case Style | Stock No. | Price Each |
|---------------------|----------|--------|--------|-----------|--------------------|-------------------|-----------|------------|
| Dual Common Cathode | | | | | | | | 1-9+ |
| ● MUR620CTG | 200V | 6A | 975mV | 75A | 175°C | TO - 220-3 | 71J6215 | --- |
| ● MURF1620CTG | 200V | 8A | 975mV | 100A | 150°C | TO-220-3 Pins | 26K4699 | --- |
| ● MUR1620CTG | 200V | 16A | 975mV | 100A | 175°C | TO - 220AB-3 Pins | 45J1743 | 1.03 |
| ● MURH840CTG | 400V | 8A | 2.2V | 100A | 175°C | TO - 220AB-3 | 71J6211 | --- |
| ● MUR1640CTG | 400V | 16A | 1.3V | 100A | 175°C | TO-220-3 Pins | 45J1744 | --- |
| ● MURH860CTG | 600V | 4A | 2.8V | 100A | 175°C | TO - 220AB-3 Pins | 45J1736 | 0.92 |
| ● MUR1660CTG | 600V | 16A | 1.5V | 100A | 175°C | TO - 220AB-3 | 71J6214 | 0.50 |
| ● MUR3060WTG | 600V | 30A | 1.7V | 150A | 175°C | TO-247-3 Pins | 26K4706 | 3.58 |
| Single | | | | | | | | |
| ● 1N4007RLG | 1kV | 1A | 1.1V | 30A | 175°C | Axial | 83K4250 | 0.02 |
| ● 1N4007G | 1kV | 1A | 1.35V | 30A | 150°C | DO - 204AL-2 Pins | 42K2831 | 0.21 |
| ● 1N5408G | 1kV | 3A | 1.2V | 125A | 150°C | Axial | 42K2941 | 0.46 |
| ● MUR4100EG | 1kV | 4A | 1.85V | 70A | 175°C | DO - | 42K1627 | 0.18 |
| ● MUR8100EG | 1kV | 8A | 1.8V | 100A | 175°C | TO - | 88H4948 | 1.10 |
| ● 1N4001G | 50V | 1A | 1.1V | 30A | 175°C | DO - 204AL-2 Pins | 42K2813 | 0.21 |
| ● 1N4001RLG | 50V | 1A | 1.1V | 30A | 175°C | DO - 204AL-2 Pins | 09R9749 | 0.03 |
| ● 1N4001RLG | 50V | 1A | 1.1V | 30A | 175°C | DO - 204AL-2 Pins | 42K2814 | 0.03 |

► CONTINUED ►

THRU-HOLE RECTIFIERS (CONT.)

| Mfg. Part No. | Vrrm Max | If(AV) | VF Max | I fsm Max | Operating Temp Max | Case Style | Stock No. | Price Each |
|---------------|----------|--------|--------|-----------|--------------------|---------------------|-----------|------------|
| Single | | | | | | | | 1-9+ |
| ● 1N4933G | 50V | 1A | 1.2V | 30A | 150°C | Axial Leaded-2 Pins | 42K2833 | --- |
| ● 1N4933RLG | 50V | 1A | 1.2V | 30A | 150°C | DO - 204AL-2 Pins | 42K2834 | --- |
| ● 1N5400G | 50V | 3A | 1V | 200A | 150°C | DO - 201AD-2 Pins | 42K2929 | 0.42 |
| ● 1N4002G | 100V | 1A | 1.1V | 30A | 175°C | DO - 204AL-2 Pins | 42K2816 | 0.21 |
| ● 1N4934G | 100V | 1A | 1.2V | 30A | 150°C | Axial Leaded-2 Pins | 42K2835 | 0.22 |
| ● 1N5401RLG | 100V | 3A | 1V | 200A | 150°C | Axial Leaded-2 Pins | 42K2932 | 0.46 |
| ● 1N5401G | 100V | 3A | 1.1V | 125A | 150°C | Axial Leaded-2 Pins | 42K2931 | 0.42 |
| ● MR851G | 100V | 3A | 1.25V | 100A | 150°C | Axial Leaded-2 Pins | 68K0664 | 0.05 |
| ● MR851RLG | 100V | 3A | 1.25V | 100A | 150°C | Axial Leaded-2 Pins | 09R9548 | --- |
| ● MR851RLG | 100V | 3A | 1.25V | 100A | 150°C | Axial Leaded-2 Pins | 42K1532 | 0.12 |
| ● 1N4003G | 200V | 1A | 1.1V | 30A | 175°C | Axial Leaded-2 Pins | 42K2819 | 0.21 |
| ● 1N4935G | 200V | 1A | 1.2V | 30A | 150°C | Axial Leaded-2 Pins | 42K2837 | 0.24 |
| ● MUR120G | 200V | 1A | 875mV | 35A | 175°C | DO - 204AL-2 Pins | 36K4293 | 0.47 |
| ● 1N5402G | 200V | 3A | 1V | 125A | 150°C | Axial Leaded-2 Pins | 42K2933 | 0.42 |
| ● MR852G | 200V | 3A | 1.25V | 100A | 125°C | DO - 201AD-2 Pins | 42K1533 | 0.10 |
| ● MR852RLG | 200V | 3A | 1.25V | 100A | 150°C | DO - 201AD-2 Pins | 09R9549 | 0.05 |
| ● MR852RLG | 200V | 3A | 1.25V | 100A | 150°C | DO - 201AD-2 Pins | 42K1534 | --- |
| ● MUR420G | 200V | 4A | 890mV | 125A | 175°C | DO - 201AD-2 Pins | 42K1631 | 0.44 |
| ● MUR820G | 200V | 8A | 975mV | 100A | 175°C | TO - 220AC-2 Pins | 45J1748 | 0.82 |
| ● MUR1520G | 200V | 15A | 1.05V | 200A | 175°C | TO - 220AC-2 | 98H0862 | --- |
| ● 1N4004G | 400V | 1A | 1.1V | 30A | 175°C | DO - 204AL-2 Pins | 42K2822 | 0.21 |
| ● 1N4936G | 400V | 1A | 1.2V | 30A | 150°C | Axial Leaded-2 Pins | 42K2839 | 0.25 |
| ● 1N5404G | 400V | 3A | 1V | 125A | 150°C | Axial Leaded-2 Pins | 42K2935 | 0.42 |
| ● MR854G | 400V | 3A | 1.25V | 100A | 150°C | Axial Leaded-2 Pins | 42K1535 | 0.46 |
| ● MUR840G | 400V | 8A | 1.3V | 100A | 175°C | TO - 220AC-2 Pins | 26K4712 | 0.95 |
| ● MUR1540G | 400V | 15A | 1.25V | 150A | 175°C | TO - 220AC-2 Pins | 45J1742 | 1.18 |
| ● 1N4937G | 600V | 1A | 1.2V | 30A | 150°C | Axial Leaded-2 Pins | 42K2841 | 0.28 |
| ● MUR160G | 600V | 1A | 1.25V | 35A | 175°C | Axial Leaded-2 Pins | 42K1608 | 0.44 |
| ● 1N5406G | 600V | 3A | 1V | 200A | 150°C | DO - 201AD-2 Pins | 42K2937 | 0.42 |

► CONTINUED ►

FAST RECOVERY RECTIFIERS

1

THRU-HOLE RECTIFIERS (CONT.)

| Mfg. Part No. | Vrrm Max | If(AV) | Vf Max | I fsm Max | Operating Temp Max | Case Style | Stock No. | Price Each |
|---------------|----------|--------|--------|-----------|--------------------|---------------------------|-----------|------------|
| Single | | | | | | | | 1-9+ |
| ● MR856G | 600V | 3A | 1.25V | 100A | 125°C | DO-201AD-2 Pins | 42K1538 | 0.47 |
| ● MUR460G | 600V | 4A | 1.28V | 110A | 175°C | DO-201AD-2 Pins | 42K1638 | 0.56 |
| ● MUR860G | 600V | 8A | 1.5V | 100A | 175°C | TO-220AC-2 Pins | 45J1749 | 0.91 |
| ● MUR1560G | 600V | 15A | 1.5V | 150A | 175°C | TO-220AC-2 | 98H0863 | --- |
| ● 1N4006G | 800V | 1A | 1.1V | 30A | 175°C | A x i a l Lead -d -2 Pins | 42K2828 | 0.21 |
| ● MUR180EG | 800V | 1A | 1.75V | 35A | 175°C | DO-204AL-2 Pins | 42K1611 | 0.52 |
| ● MUR480EG | 800V | 4A | 1.85V | 70A | 175°C | A x i a l Lead -d -2 Pins | 42K1640 | 0.64 |
| ● MUR880EG | 800V | 8A | 1.8V | 100A | 175°C | TO-220AC-2 | 71J6216 | --- |

PIM_4244

A-SERIES IGBT MODULES

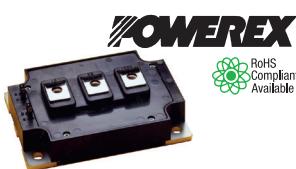


Designed to match European nameplate ratings and package sizes while offering superior thermal performance, the A-Series IGBT uses the 5th Generation CSTBT, Carrier Stored Trench-Gate Bipolar Transistor, chip, which offers lower losses in comparison to previous chip generations.

| Mfg. Part No. | Vceo | Idc | Pd | Stock No. | Price Each |
|----------------|--------|-------|---------|-----------|------------|
| | | | | | 1-4+ |
| IGBTMOD | | | | | |
| CM400HA-24A | 1.2 kV | 400 A | 2.35 kW | 19K9226 | 162.25 |
| CM600HA-24A | 1.2 kV | 600 A | 3.67 kW | 19K9231 | 211.51 |
| ● CM200DY-34A | 1.7 kV | 200 A | 1.98 kW | 30M3582 | 189.23 |
| Module | | | | | |
| ● CM100DY-24A | 1.2 kV | 100 A | 672 W | 19K9202 | 100.10 |
| ● CM150DY-24A | 1.2 kV | 150 A | 960 W | 19K9209 | 128.87 |
| ● CM200DY-24A | 1.2 kV | 200 A | 1.34 kW | 19K9214 | --- |
| ● CM300DY-24A | 1.2 kV | 300 A | 1.89 kW | 19K9221 | 195.12 |
| ● CM400DY-24A | 1.2 kV | 400 A | 2.71 kW | 19K9225 | 262.53 |
| ● CM600DY-24A | 1.2 kV | 600 A | 3.67 kW | 23J7943 | 311.53 |

PIM_93039

NF SERIES CSTBT IGBT MODULES



Features

- High performance industrial applications ~10-15 kHz
- 3rd Gen. (H-Series) Compatible
- Industry leading performance
- Highest reliability
- New Mega-Dual Package

CM400DY-12NF

| Mfg. Part No. | Vceo | Idc | Pd | Stock No. | Price Each |
|----------------|--------|-------|---------|-----------|------------|
| | | | | | 1-9+ |
| Module | | | | | |
| CM900DU-24NF | 1.2 kV | 900 A | 2.55 kW | 32H5463 | --- |
| ● CM150DY-12NF | 600 V | 150 A | 590 W | 32H5453 | 93.32 |
| ● CM200DY-12NF | 600 V | 200 A | 650 W | 73K1935 | 117.00 |
| ● CM300DY-12NF | 600 V | 300 A | 780 W | 32H5457 | 164.14 |
| ● CM400DY-12NF | 600 V | 400 A | 1.13 kW | 73K1938 | 196.15 |

PIM_84659

IGBT MODULES

Features

- High reliability and power density
- Full product range in various configurations
- Latest IGBT chip technology
- Best parallel switching performance
- Broad range of products

Applications

- Industrial Drives
- Renewable Energy Systems



- Traction Systems
- UPS Systems

| Mfg. Part No. | Vceo | Idc | Pd | Stock No. | Price Each |
|------------------|--------|------|-------|-----------|------------|
| | | | | | 1-4+ |
| Module | | | | | |
| ● FP15R12W1T4_B3 | 1.2 kV | 15 A | 130 W | 84R7201 | --- |
| ● FP25R12W2T4 | 1.2 kV | 25 A | 175 W | 84R7204 | 48.47 |
| ● FS25R12W1T4 | 1.2 kV | 25 A | 205 W | 84R7217 | 35.98 |

IGBT MODULES (CONT.)

| Mfg. Part No. | Vceo | Idc | Pd | Stock No. | Price Each |
|---------------|--------|-------|---------|-----------|------------|
| Module | | | | | |
| ● FD650R17IE4 | 1.7 kV | 650 A | 4.15 kW | 84R7177 | --- |
| ● FS20R06W1E3 | 600 V | 20 A | 135 W | 84R7215 | --- |

TRENCH IGBT MODULES



SEMIKRON
innovation+service

RoHS Compliant Available

| Mfg. Part No. | Vceo | Idc | Stock No. | Price Each |
|-------------------|--------|-------|-----------|------------|
| 1-5+ | | | | |
| ● SKIM429GD17E4HD | 1.1 V | 595 A | 77R2504 | 1188.82 |
| ● SKM200GM12T4 | 800 mV | 314 A | 77R2564 | 186.25 |
| ● SKM300GM12T4 | 800 mV | 422 A | 77R2574 | 227.26 |
| ● SKIM459GD12E4 | 800 mV | 554 A | 77R2505 | 1023.43 |
| ● SKIM609GAL12E4 | 800 mV | 748 A | 77R2507 | 984.46 |
| ● SKIM609GAR12E4 | 800 mV | 748 A | 77R2508 | 984.51 |
| ● SKM200GARL066 T | 900 mV | 280 A | 77R2558 | --- |
| ● SKM300GARL066T | 900 mV | 400 A | 77R2568 | --- |
| ● SKM300MLI066T | 900 mV | 400 A | 77R2575 | 330.41 |
| ● SKM300GA12V | 940 mV | 443 A | 77R2571 | 157.94 |

| Mfg. Part No. | Vceo | Idc | Stock No. | Price Each |
|---------------|--------|-------|-----------|------------|
| Module | | | | |
| ● SKM75GB12V | 1.2 kV | 114 A | 77R2592 | 92.17 |
| ● SKM100GB12V | 1.2 kV | 159 A | 77R2546 | 111.50 |
| ● SKM400GB12V | 1.2 kV | 612 A | 77R2586 | --- |

SEMITRANS 2

| Mfg. Part No. | Vceo | Idc | Stock No. | Price Each |
|-----------------|--------|-------|-----------|------------|
| SEMITRANS 2 | | | | |
| ● SKM50GB12V | 940 mV | 79 A | 77R2589 | 80.86 |
| SEMITRANS 3 | | | | |
| ● SKM400GM12T4 | 800 mV | 618 A | 77R2588 | 289.53 |
| ● SKM150GM12T4G | 940 mV | 229 A | 77R2553 | 162.68 |
| ● SKM150GB12VG | 940 mV | 235 A | 77R2552 | 177.28 |
| ● SKM400GAL12V | 940 mV | 598 A | 77R2578 | 226.07 |

SEMITRANS 4

| Mfg. Part No. | Vceo | Idc | Stock No. | Price Each |
|---------------|--------|-------|-----------|------------|
| SEMITRANS 4 | | | | |
| ● SKM400GA12V | 940 mV | 598 A | 77R2584 | 46.12 |
| ● SKM600GA12V | 940 mV | 890 A | 77R2591 | 272.21 |

SEMITRANS 5

| Mfg. Part No. | Vceo | Idc | Stock No. | Price Each |
|----------------|--------|-------|-----------|------------|
| SKIM 93 | | | | |
| ● SKM150GAL12V | 940 mV | 225 A | 77R2548 | 101.40 |

PIM_194461

HI-REL STANDARD POWER MOSFET DISCRETES



International
Rectifier

| Mfg. Part No. | Vds | Id | VGS(th) | Rds(on) | Stock No. | Price Each |
|---------------|-------|-------|---------|------------------|-----------|------------|
| TO-204AA | | | | | | |
| IRF9240 | -200V | -11A | -4V | 500 mohm @ -10 V | 06F8462 | --- |
| IRF130 | 100V | 14A | 4V | 180 mohm @ 10 V | 06F8119 | --- |
| 2N6756 | 100V | 14A | 4V | 180 mohm @ 10 V | 97B9021 | --- |
| 2N6764 | 100V | 38A | 4V | 55 mohm @ 10 V | 94B8152 | --- |
| IRF430 | 500V | 4.5A | 4V | 1.5 ohm @ 10 V | 06F8210 | --- |
| TO-3 | | | | | | |
| IRF9230 | -200V | -6.5A | -4V | 800 mohm @ -10 V | 77C5973 | --- |

PIM_74683

► CONTINUED ►

ENHANCEMENT MODE FETs



Applications include notebook computer power management, switching regulators, switching converters, motor drivers and relay drivers.

| Mfg. Part No. | Vds | Id | VGS(th) | Rds(on) | Stock No. | Tape Cut |
|---------------|-----|----|---------|---------|-----------|----------|
| | | | | | | 1-24+ |

| | | | | | | |
|-------------|------|-------|-------|-------------------|---------|------|
| SOIC | | | | | | |
| ● NDS9407 | -60V | -3A | -1.6V | 0.078 ohm @ -10 V | 78K6109 | 0.96 |
| ● FDS9435A | -30V | -5.3A | -1.7V | 0.042 ohm @ -10 V | 38C7185 | 0.62 |
| ● NDS9952A | 30V | 3.7A | 1.7V | 0.06 ohm @ 10 V | 38C7632 | 0.33 |
| ● FDS8928A | 30V | 5.5A | 670mV | 0.025 ohm @ 4.5 V | 38C7181 | 0.41 |
| ● FDS8958A | 30V | 7A | 1.9V | 0.019 ohm @ 10 V | 34C0185 | 0.38 |
| ● NDS9945 | 60V | 3.5A | 1.7V | 100 mohm @ 10 V | 03H3057 | 1.30 |

SOT-223

| | | | | | | |
|------------|------|-------|-------|-------------------|---------|------|
| ● NDT2955 | -60V | -2.5A | -2.6V | 0.095 ohm @ -10 V | 58K9483 | 0.57 |
| ● NDT454P | -30V | -5.9A | -2.7V | 50 mohm @ -10 V | 58K9484 | 1.55 |
| ● NDT452AP | -30V | 5A | -1.6V | 65 mohm @ -10 V | 58K2023 | 0.32 |
| ● NDT456P | -30V | 7.5A | -1.5V | 0.026 ohm @ -10 V | 58K9485 | 1.61 |
| ● FDT439N | 30V | 6.3A | 670mV | 0.038 ohm @ 4.5 V | 38C7188 | 0.64 |
| ● NDT014L | 60V | 2.8A | 1.5V | 0.12 ohm @ 10 V | 34C1635 | --- |
| ● NDT3055L | 60V | 4A | 1.6V | 0.07 ohm @ 10 V | 72K9001 | 0.74 |
| ● NDT3055 | 60V | 4A | 3V | 100 mohm @ 10 V | 58K2021 | 0.80 |

SOT-23

| | | | | | | |
|------------|------|--------|--------|-------------------|---------|------|
| ● NDC7003P | -60V | -340mA | -1.9V | 1.2 ohm @ -10 V | 58K2009 | --- |
| ● NDS0610 | -60V | -120mA | -1.7V | 10 ohm @ -10 V | 58K2015 | 0.34 |
| ● NDS0605 | -60V | 180mA | -1.7V | 5 ohm @ -10 V | 58K9477 | 0.03 |
| ● BSS84 | -50V | 130mA | -1.7V | 1.2 ohm @ -5 V | 58K8770 | 0.33 |
| ● FDN358P | -30V | 1.6A | -1.9V | 200 mohm @ -10 V | 58K8843 | --- |
| ● FDV304P | -25V | 460mA | -660mV | 1.22 ohm @ -4.5 V | 58K1480 | 0.03 |
| ● FDV303N | 25V | 680mA | 800mV | 0.33 ohm @ 4.5 V | 58K8857 | 0.38 |
| ● FDN337N | 30V | 2.2A | 700mV | 0.054 ohm @ 4.5 V | 58K1464 | 0.41 |
| ● BSS138 | 50V | 220mA | 1.3V | 0.7 ohm @ 10 V | 58K8769 | 0.30 |
| ● 2N7002 | 60V | 115mA | 2.1V | 1.2 ohm @ 10 V | 58K9651 | 0.33 |
| ● NDS7002A | 60V | 280mA | 2.1V | 2 ohm @ 10 V | 58K9482 | 0.40 |
| ● MMBF170 | 60V | 500mA | 2.1V | 5 ohm @ 10 V | 58K9427 | 0.05 |
| ● BSS123 | 100V | 170mA | 1.7V | 1.2 ohm @ 10 V | 58K8768 | 0.37 |

SOT-363

| | | | | | | |
|------------|-----|-------|-------|---------------|---------|------|
| ● 2N7002DW | 60V | 115mA | 1.76V | 1.6 ohm @ 5 V | 05R0387 | 0.10 |
|------------|-----|-------|-------|---------------|---------|------|

SuperSOT

| | | | | | | |
|-------------|------|-------|--------|--------------------|---------|------|
| ● NDS356AP | -30V | 1.1A | -1.6V | 300 mohm @ -10 V | 58K2019 | 0.40 |
| ● FDN360P | -30V | 2A | 20V | 80 mohm @ -10 V | 58K1466 | 0.07 |
| ● NDS352AP | -30V | 900mA | -1.7V | 0.25 ohm @ -10 V | 58K2017 | --- |
| ● FDC634P | -20V | -3.5A | -800mV | 80 mohm @ -4.5 V | 58K8824 | --- |
| ● NDS332P | -20V | 1A | -600mV | 300 mohm @ -4.5 V | 58K9478 | 0.47 |
| ● FDN336P | -20V | 1.2A | -900mV | 0.122 ohm @ -4.5 V | 58K1463 | 0.12 |
| ● FDN338P | -20V | 1.6A | -800mV | 0.088 ohm @ -4.5 V | 58K8840 | 0.42 |
| ● FDN340P | -20V | 2A | -800mV | 0.06 ohm @ -4.5 V | 58K8841 | 0.47 |
| ● NDS331N | 20V | 1.3A | 700mV | 0.11 ohm @ 4.5 V | 58K2016 | 0.10 |
| ● NDS351AN | 30V | 1.2A | 2.1V | 0.092 ohm @ 10 V | 58K9481 | 0.39 |
| ● NDS355AN | 30V | 1.7A | 1.6V | 0.065 ohm @ 10 V | 58K2018 | 0.43 |
| ● FDN357N | 30V | 1.9A | 1.6V | 0.053 ohm @ 4.5 V | 58K8842 | 0.09 |
| ● FDC6561AN | 30V | 2.5A | 1.8V | 0.082 ohm @ 10 V | 58K8828 | 0.21 |
| ● NDC7002N | 50V | 510mA | 1.9V | 2 ohm @ 10 V | 58K9474 | 0.08 |
| ● NDC7001C | 60V | 510mA | 2.1V | 1 ohm @ 10 V | 58K9473 | 0.16 |

TO-220

| | | | | | | |
|------------|------|------|--------|--------------------|---------|------|
| ● NDP6020P | -20V | -24A | -700mV | 0.041 ohm @ -4.5 V | 58K9475 | 1.79 |
| ● NDP7060 | 60V | 75A | 2.8V | 13 mohm @ 10 V | 34C1614 | 4.69 |
| ● IRF530A | 100V | 14A | 2V | 110 mohm @ 100 V | 58K1735 | 0.57 |

TO-220AB

| | | | | | | |
|-------------|------|-----|----|----------------|---------|------|
| ● RFP50N06 | 60V | 50A | 4V | 22 mohm @ 10 V | 58K9518 | 1.87 |
| ● RFP70N06 | 60V | 70A | 4V | 14 mohm @ 10 V | 58K2128 | 2.07 |
| ● RFP12N10L | 100V | 12A | 2V | 200 mohm @ 5 V | 58K9511 | 0.55 |

TO-252

| | | | | | | |
|-------------|-----|-----|------|----------------|---------|------|
| ● MTD3055VL | 60V | 12A | 1.5V | 0.18 ohm @ 5 V | 63K5835 | 0.43 |
|-------------|-----|-----|------|----------------|---------|------|

TO-263AB

| | | | | | | |
|------------|-----|-----|----|-----------------|---------|-----|
| ● NDB6060L | 60V | 48A | 2V | 0.02 ohm @ 10 V | 58K9470 | --- |
|------------|-----|-----|----|-----------------|---------|-----|

ENHANCEMENT MODE FETs (CONT.)

| Mfg. Part No. | Vds | Id | VGS(th) | Rds(on) | Stock No. | Tape Cut |
|---------------|-----|-------|---------|----------------|-----------|----------|
| | | | | | | 1-24+ |
| TO-92 | | | | | | |
| ● 2N7000 | 60V | 200mA | 2.1V | 1.2 ohm @ 10 V | 58K9650 | 0.40 |
| ● 2N7000_D26Z | 60V | 200mA | 2.1V | 5 ohm @ 10 V | 78K6147 | 0.42 |
| ● BS170 | 60V | 500mA | 2.1V | 1.2 ohm @ 10 V | 58K8772 | 0.47 |
| PIM_74305 | | | | | | |

SINGLE N-CHANNEL MOSFETs 30V to 60V



| Mfg. Part No. | Vds | Id | VGS(th) | Rds(on) | Stock No. | Tape Cut |
|----------------------|-----|-------|---------|--------------------|-----------|----------|
| | | | | | | 1-24+ |
| ChipFET | | | | | | |
| ● SI5410DU-T1-GE3 | 40V | 12A | 1.2V | 0.015 ohm @ 10 V | 69W7208 | --- |
| NSCIC | | | | | | |
| ● SI4840BDY-T1-GE3 | 40V | 19A | 3V | 0.0074 ohm @ 10 V | 05W6950 | 1.54 |
| PolarPAK | | | | | | |
| ● SIE832DF-T1-E3 | 40V | 50A | 2.2V | 0.0046 ohm @ 10 V | 69W7163 | --- |
| PowerPAK | | | | | | |
| ● SI5476DU-T1-GE3 | 60V | 12A | 1V | 0.028 ohm @ 10 V | 69W7209 | --- |
| PowerPAK 1212 | | | | | | |
| ● SI7112DN-T1-GE3 | 30V | 11.3A | 600mV | 0.006 ohm @ 10 V | 69W7220 | --- |
| ● SISA10DN-T1-GE3 | 30V | 30A | 1.1V | 0.0028 ohm @ 10 V | 68W7089 | --- |
| ● SIS322DN-T1-GE3 | 30V | 38.3A | 1.2V | 0.006 ohm @ 10 V | 68W7091 | --- |
| ● SIS476DN-T1-GE3 | 30V | 40A | 1V | 0.00205 ohm @ 10 V | 68W7093 | --- |
| ● SI7116DN-T1-GE3 | 40V | 10.5A | 2.5V | 6.5 mohm @ 10 V | 84R8072 | --- |
| ● SIS412DN-T1-GE3 | 40V | 12A | 1V | 0.02 ohm @ 10 V | 05W6933 | --- |
| ● SI7414DN-T1-GE3 | 60V | 8.7A | 3V | 0.021 ohm @ 20 V | 16P3844 | 0.56 |
| PowerPAK SO | | | | | | |
| ● SIR14ADP-T1-GE3 | 30V | 20A | 1.1V | 0.00425 ohm @ 10 V | 68W7087 | --- |
| ● SI7892BDP-T1-E3 | 30V | 25A | 1V | 5.7 mohm @ 4.5 V | 64R4910 | --- |
| ● SIRA12DP-T1-GE3 | 30V | 25A | 1.1V | 0.0032 ohm @ 10 V | 68W7085 | 0.75 |
| ● SIRA10DP-T1-GE3 | 30V | 30A | 1.1V | 0.0028 ohm @ 10 V | 68W7083 | --- |
| ● SIR468DP-T1-GE3 | 30V | 40A | 1V | 0.0047 ohm @ 10 V | 69W7166 | --- |
| ● SIR406DP-T1-GE3 | 30V | 40A | 1.1V | 0.00205 ohm @ 10 V | 68W7081 | --- |
| ● SI7288BDP-T1-GE3 | 40V | 20A | 1.2V | 0.0156 ohm @ 10 V | 63R8227 | --- |
| ● SIR836DP-T1-GE3 | 40V | 21A | 1.2V | 0.015 ohm @ 10 V | 05W6931 | --- |
| ● SIR422DP-T1-GE3 | 40V | 40A | 1.2V | 5400 μohm @ 10 V | 05W6929 | --- |
| ● SIR418DP-T1-GE3 | 40V | 40A | 2.4V | 0.00415 ohm @ 10 V | 35R6197 | --- |
| ● SI7884BDP-T1-E3 | 40V | 47A | 3V | 0.0074 ohm @ 20 V | 16P3873 | --- |
| ● SIR414DP-T1-GE3 | 40V | 50A | 1V | 2.3 mohm @ 10 V | 05W6928 | 0.58 |
| ● SI7790DP-T1-GE3 | 40V | 50A | 1.2V | 0.0036 ohm @ 10 V | 69W7233 | 2.70 |
| ● SI7884BDP-T1-E3 | 40V | 58A | 1V | 6200 μohm @ 10 V | 05W6955 | --- |
| ● SIR470DP-T1-GE3 | 40V | 60A | 1V | 0.0019 ohm @ 10 V | 69W7167 | 1.02 |
| ● SI7460DP-T1-GE3 | 60V | 18A | 1V | 0.08 ohm @ 4.5 V | 64R4909 | 0.86 |
| ● SIR662DP-T1-GE3 | 60V | 60A | 1V | 0.0022 ohm @ 10 V | 83T3534 | 0.32 |
| ● SI7164DP-T1-GE3 | 60V | 60A | 2.5V | 0.005 ohm @ 10 V | 64R4908 | --- |
| SC-70 | | | | | | |
| ● SIA408DJ-T1-GE3 | 30V | 4.5A | 1.6V | 53 mohm @ 12 V | 16P3609 | --- |
| SC-75A | | | | | | |
| ● SI1022R-T1-GE3 | 60V | 330mA | 2.5V | 1.25 ohm @ 10 V | 16P3674 | 0.22 |
| SC-89 | | | | | | |
| ● SI1070X-T1-GE3 | 30V | 1.2A | 1.55V | 140 mohm @ 12 V | 16P3696 | --- |
| ● SI1026X-T1-GE3 | 60V | 305mA | 2.5V | 1.4 ohm @ 1.4 V | 16P3678 | --- |
| SOIC | | | | | | |
| ● SI4346DY-T1-GE3 | 30V | 5.9A | 2V | 19 mohm @ 10 V | 84R8044 | --- |
| ● SI4800BDY-T1-GE3 | 30V | 9A | | | | |

POWER MOSFETS

1

SINGLE N-CHANNEL MOSFETs 30V to 60V (CONT.)

| Mfg. Part No. | Vds | Id | VGS(th) | Rds(on) | Stock No. | Tape Cut |
|---------------------|-----|-------|---------|--------------------|-----------|----------|
| | | | | | 1-24+ | |
| SOT-223 | | | | | | |
| ● IRFL014TRPBF | 60V | 2.7A | 2V | 0.02 ohm @ 10 V | 69W7151 | --- |
| SOT-23 | | | | | | |
| ● SI2300DS-T1-GE3 | 30V | 3.6A | 600mV | 0.055 ohm @ 4.5 V | 69W7184 | 0.39 |
| ● SI2318DS-T1-GE3 | 40V | 3A | 3V | 36 mohm @ 10 V | 84R8029 | 0.50 |
| ● SI2308DS-T1-GE3 | 60V | 2A | 3V | 125 mohm @ 10 V | 84R8024 | 0.34 |
| ● SI2308BDS-T1-E3 | 60V | 2.3A | 1V | 0.13 ohm @ 10 V | 69W7187 | 0.48 |
| SOT-323 | | | | | | |
| ● SI1330EDL-T1-E3 | 60V | 240mA | 2V | 1 ohm @ 10 V | 69W7174 | --- |
| TO-220AB | | | | | | |
| ● IRFZ14PBF | 60V | 10A | 2V | 0.2 ohm @ 10 V | 63J7108 | 0.96 |
| TO-236 | | | | | | |
| ● SI2304BDS-T1-GE3 | 30V | 3.2A | 3V | 105 mohm @ 20 V | 16P3704 | 0.16 |
| ● SI2306BDS-T1-GE3 | 30V | 4A | 3V | 65 mohm @ 20 V | 16P3706 | 0.14 |
| ● SI2316BDS-T1-GE3 | 30V | 4.5A | 3V | 80 mohm @ 20 V | 16P3710 | --- |
| ● SI2308BDS-T1-GE3 | 60V | 2.3A | 3V | 0.13 ohm @ 20 V | 16P3708 | 0.20 |
| TO-252 | | | | | | |
| ● SUD50N04-8M8P-GE3 | 40V | 50A | 3V | 0.0069 ohm @ 20 V | 16P3890 | --- |
| ● SUD23N06-31-GE3 | 60V | 9.1A | 3V | 45 mohm @ 20 V | 16P3889 | 0.93 |
| ● SUD23N06-31L-E3 | 60V | 23A | 2V | 0.025 ohm @ 10 V | 06J8438 | --- |
| TO-263 | | | | | | |
| ● SUM110N06-3M9H-E3 | 60V | 110A | 3.4V | 0.00325 ohm @ 10 V | 69W7247 | --- |
| TSOP | | | | | | |
| ● SI3424BDV-T1-GE3 | 30V | 7A | 3V | 23 mohm @ 10 V | 84R8033 | --- |
| ● SI3458BDV-T1-GE3 | 60V | 3.2A | 3V | 82 mohm @ 10 V | 84R8039 | --- |

PIM_168148

SILICON CARBIDE (SiC) POWER MOSFETS

Features

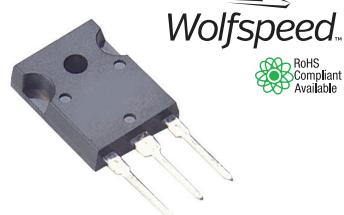
- N-Channel Enhancement Mode
- Industry Leading RDS(on)
- High Speed Switching
- Low Capacitances
- Easy to Parallel
- Simple to Drive

Benefits

- Higher System Efficiency
- Reduced Cooling Requirements
- Avalanche Ruggedness
- Increased System Switching Frequency

Applications

- Solar Inverters
- High Voltage DC/DC Converters
- Motor Drives



RoHS Compliant Available

| Mfg. Part No. | Packaging | Id | Vds | Rds(on) | VGS(th) | Stock No. | Price Each |
|------------------|-----------|-------|-------|---------|---------|-----------|------------|
| | | | | | | 1-49+ | |
| N Channel | | | | | | | |
| ● C2M1000170D | TO-247-3 | 4.9A | 1.7kV | 0.95ohm | 2.4V | 08X1011 | --- |
| ● C2M0160120D | TO-247-3 | 17.7A | 1.2kV | 0.16ohm | 2.5V | 08X3830 | 8.33 |
| ● CMF10120D | TO-247-3 | 24A | 1.2kV | 0.16ohm | 2.4V | 46T8852 | --- |
| ● C2M080120D | TO-247-3 | 31.6A | 1.2kV | 0.08ohm | 3.2V | 67W3046 | --- |

PIM_192344

N CHANNEL POWER MOSFETs

RoHS Compliant Available

ON Semiconductor

ON



SOIC

| Mfg. Part No. | Vds | Id | VGS(th) | Rds(on) | Stock No. | Price Each |
|------------------|-----|------|---------|-------------------|-----------|------------|
| | | | | | 1-9+ | |
| ChipFET | | | | | | |
| ● NTHS5404T1G | 20V | 5.2A | 600mV | 25 mohm @ 4.5 V | 98H0963 | --- |
| DFN | | | | | | |
| ● NTMFS4897NFT1G | 30V | 171A | 2V | 1.3 mohm @ 10 V | 73R4092 | 0.96 |
| ● NTMFS4833NT1G | 30V | 191A | 1.5V | 0.0013 ohm @ 10 V | 09R9666 | 0.25 |
| ● NTMFS4833NT3G | 30V | 191A | 1.5V | 2 mohm @ 10 V | 09R9667 | --- |
| ● NTMFS5832NLT1G | 40V | 20A | 3V | 0.0031 ohm @ 10 V | 52T8335 | 0.41 |
| SC-88 | | | | | | |
| ● NTJS3157NT1G | 20V | 4A | 400mV | 60 mohm @ 4.5 V | 10N9724 | --- |
| SOIC | | | | | | |
| ● NTMFS4899NFT1G | 30V | 75A | 1.5V | 5 mohm @ 10 V | 78R7502 | 0.51 |

N CHANNEL POWER MOSFETs (CONT.)

| Mfg. Part No. | Vds | Id | VGS(th) | Rds(on) | Stock No. | Price Each |
|------------------|-------|-------|---------|--------------------|-----------|------------|
| | | | | | 1-9+ | |
| SOT-223 | | | | | | |
| ● NTF3055L108T1G | 60V | 3A | 1.68V | 0.092 ohm @ 5 V | 10P1660 | 0.61 |
| ● NTF3055-100T1G | 60V | 3A | 3V | 0.088 ohm @ 10 V | 10N9573 | 0.63 |
| SOT-23 | | | | | | |
| ● NTR4501NT1G | 20V | 3.2A | 1.2V | 80 mohm @ 4.5 V | 06R3476 | 0.42 |
| TO-220 | | | | | | |
| ● NTP6413ANG | 100V | 42A | 4V | 25.6 mohm @ 10 V | 63R4590 | 1.57 |
| ● NTP6412ANG | 100V | 58A | 4V | 16.8 mohm @ 10 V | 63R4589 | --- |
| ● NTP6410ANG | 100V | 76A | 4V | 11 mohm @ 10 V | 71R6722 | 2.13 |
| ● NDF05N50ZG | 500V | 5A | 4.5V | 1.25 ohm @ 10 V | 71R6685 | --- |
| TO-247 | | | | | | |
| ● MTW32N20EG | 200V | 32A | 4V | 75 mohm @ 10 V | 26K4667 | --- |
| TO-251 | | | | | | |
| ● NTD4813N-35G | 30V | 40A | 2.5V | 13 mohm @ 10 V | 27M2724 | --- |
| TO-252 | | | | | | |
| ● NTD20N03L27T4G | 20V | 20A | 1.6V | 0.023 ohm @ 5 V | 10N9715 | 0.29 |
| ● NTD110N02RT4G | 24V | 110A | 1.5V | 4.1 mohm @ 10 V | 10N9713 | --- |
| ● NTD4863N-1G | 25V | 8.6A | 2.5V | 10.2 mohm @ 10 V | 75M5213 | --- |
| ● NTD4858N-1G | 25V | 13.6A | 2.5V | 6.2 mohm @ 10 V | 75M5207 | --- |
| ● NTD14N03RT4G | 25V | 14A | 1.5V | 95 mohm @ 10 V | 09R9638 | 0.17 |
| ● NTD4855N-1G | 25V | 17.7A | 2.5V | 4.3 mohm @ 10 V | 75M5198 | --- |
| ● NTD4808N-1G | 30V | 63A | 2.5V | 8 mohm @ 10 V | 27M2715 | --- |
| ● NTD5802NT4G | 40V | 101A | 3.5V | 4.4 mohm @ 10 V | 13P5605 | 0.37 |
| ● NTD3055L170T4G | 60V | 9A | 1.7V | 153 mohm @ 5 V | 09R9641 | --- |
| ● NTD3055-150T4G | 60V | 9A | 3V | 150 mohm @ 10 V | 10N9711 | --- |
| ● NID6002NT4G | 60V | 11A | 1.85V | 210 mohm @ 10 V | 09R9604 | --- |
| ● NTD3055L104T4G | 60V | 12A | 1.6V | 0.089 ohm @ 5 V | 26K5099 | 0.59 |
| ● NTD3055L104-1G | 60V | 12A | 2.9V | 0.084 ohm @ 10 V | 71J7043 | 0.58 |
| ● NTD18N06LT4G | 60V | 18A | 1.8V | 54 mohm @ 5 V | 09R9639 | --- |
| ● NTD20N06LT4G | 60V | 20A | 1.6V | 39 mohm @ 5 V | 10N9716 | 0.89 |
| ● NTD20N06T4G | 60V | 20A | 2.91V | 37.5 mohm @ 10 V | 09R9640 | 0.89 |
| ● NTD24N06LT4G | 60V | 24A | 1.7V | 0.036 ohm @ 5 V | 10N9717 | 0.88 |
| ● NTD6414ANT4G | 100V | 32A | 4V | 30 mohm @ 10 V | 63R4580 | --- |
| ● NDD05N50ZT4G | 500V | 4.7A | 4.5V | 1.25 ohm @ 10 V | 63R4558 | --- |
| TO-263 | | | | | | |
| ● NTB45N06LT4G | 60V | 45A | 1.8V | 23 mohm @ 5 V | 10N9711 | --- |
| ● NTB45N06T4G | 60V | 45A | 2.8V | 26 mohm @ 10 V | 10N9712 | --- |
| ● NTB6413ANT4G | 100V | 42A | 4V | 25.6 mohm @ 10 V | 63R4576 | 0.93 |
| ● NTB35N15T4G | 150V | 37A | 2.9V | 50 mohm @ 10 V | 45J2088 | --- |
| TO-3P | | | | | | |
| ● NDLT03N150CG | 1.5kV | 2.5A | 4V | 8 ohm @ 10 V | 11X3629 | 2.19 |
| TO-3PF | | | | | | |
| ● NDUL03N150CG | 1.5kV | 2.5A | 4V | 8 ohm @ 10 V | 11X3630 | --- |
| TSOP | | | | | | |
| ● NTGS3446T1G | 20V | 5.1A | 850mV | 45 mohm @ 4.5 V | 04M7521 | 0.10 |
| WDFN | | | | | | |
| ● NTLJS4114NT1G | 30V | 7.8A | 550mV | 0.0203 ohm @ 4.5 V | 10N9582 | --- |
| ● NTTF54824NTAG | 30V | 20.6A | 1.9V | 3.7 mohm @ 10 V | 08R4035 | --- |

N-CHANNEL TRENCH MOSFETs

RoHS Compliant Available



SOT-669



SOT-23

Features

- Wide package range
- Suitable for a wide range of applications
- Low figure of merit

| Mfg. Part No. | Id | Vds | Rds(on) | VGS(th) | Stock No. | Tape Cut |
|---------------------------|-------|------|----------|---------|-----------|----------|
| | | | | | 1-24+ | |
| N Channel, SOIC | | | | | | |
| ● PHK12NQ03LT,518 | 11.8A | 30V | 8.9mohm | 2V | 79R1989 | --- |
| N Channel, SOT-223 | | | | | | |
| ● PHK5NQ15T,518 | 5A | 150V | 56mohm | 3V | 79R1994 | --- |
| N Channel, SOIC | | | | | | |
| ● PHT4NQ10T,135 | 1.75A | 100V | 0.2ohm | 3V | 79R1996 | --- |
| ● PHT6NQ10T,135 | 6.5A | 100V | 0.057ohm | 3V | 79R1997 | --- |

► CONTINUED ►

► CONTINUED ►

N-CHANNEL TRENCH MOSFETs (CONT.)

| Mfg. Part No. | Id | Vds | Rds(on) | VGS(th) | Stock No. | Tape Cut 1-24+ |
|--------------------------|-------|------|----------|---------|-----------|-------------------|
| N Channel, SOT-23 | | | | | | |
| ● BSH108.215 | 1.9A | 30V | 0.077ohm | 1.5V | 75R4688 | --- |
| ● BSS123.215 | 150mA | 100V | 3.5ohm | 2V | 75R4699 | 0.03 |
| ● BST82.215 | 190mA | 100V | 5ohm | 2V | 75R4704 | 0.06 |
| ● 2N7002.215 | 300mA | 60V | 2.8ohm | 2V | 75R4879 | 0.03 |
| ● 2N7002E.215 | 385mA | 60V | 780mohm | 2V | 75R4880 | --- |
| ● BSH114.215 | 850mA | 100V | 0.4ohm | 3V | 79R1830 | --- |

N Channel, SOT-323

| | | | | | | |
|----------------|-------|-----|---------|------|---------|-----|
| ● BSS138PW.115 | 320mA | 60V | 900mohm | 1.2V | 56T4751 | --- |
|----------------|-------|-----|---------|------|---------|-----|

N Channel, SOT-457

| | | | | | | |
|---------------|------|-----|----------|------|---------|-----|
| ● PMN45EN.135 | 5.2A | 30V | 0.032ohm | 1.5V | 79R2039 | --- |
|---------------|------|-----|----------|------|---------|-----|

N Channel, SOT-669

| | | | | | | |
|--------------------|------|-----|----------|------|---------|-----|
| ● PSMN1R5-25YL.115 | 100A | 25V | 1.13mohm | 1.7V | 79R2061 | --- |
| ● PSMN1R2-25YL.115 | 100A | 25V | 900μohm | 1.7V | 79R2060 | --- |
| ● PSMN1R7-30YL.115 | 100A | 30V | 1.29mohm | 1.7V | 75R4850 | --- |
| ● PSMN2R0-30YL.115 | 100A | 30V | 1.55mohm | 1.7V | 75R4852 | --- |
| ● PSMN2R6-40YS.115 | 100A | 40V | 2mohm | 3V | 79R2063 | --- |
| ● PSMN4R0-40YS.115 | 100A | 40V | 3.2mohm | 3V | 79R2067 | --- |
| ● PSMN045-80YS.115 | 24A | 80V | 37mohm | 3V | 27T3606 | --- |
| ● PSMN018-80YS.115 | 45A | 80V | 15mohm | 3V | 27T3602 | --- |
| ● PSMN013-80YS.115 | 60A | 80V | 9.7mohm | 3V | 79R2056 | --- |
| ● PSMN8R3-40YS.115 | 70A | 40V | 6.6mohm | 3V | 79R2072 | --- |
| ● PSMN7R0-30YL.115 | 76A | 30V | 4.92mohm | 1.7V | 75R4853 | --- |
| ● PSMN8R5-60YS.115 | 76A | 60V | 5.6mohm | 3V | 79R2073 | --- |
| ● PSMN7R0-60YS.115 | 89A | 60V | 4.95mohm | 3V | 27T3312 | --- |
| ● PSMN5R0-30YL.115 | 91A | 30V | 3.63mohm | 1.7V | 79R2068 | --- |

N Channel, SOT-883

| | | | | | | |
|---------------|-------|-----|---------|-------|---------|-----|
| ● PMZ390U.315 | 1.78A | 30V | 0.39ohm | 700mV | 75R4841 | --- |
|---------------|-------|-----|---------|-------|---------|-----|

N Channel, TO-220AB

| | | | | | | |
|---------------------|------|------|----------|------|---------|------|
| ● PSMN1R6-30PL.127 | 100A | 30V | 1.7mohm | 1.7V | 70R7953 | --- |
| ● PSMN2R0-30PL.127 | 100A | 30V | 2.1mohm | 1.7V | 70R7958 | --- |
| ● PSMN4R3-30PL.127 | 100A | 30V | 4.3mohm | 1.7V | 70R7968 | 0.46 |
| ● PSMN4R5-40PS.127 | 100A | 40V | 4.6mohm | 3V | 70R7970 | --- |
| ● PSMN3R0-60PS.127 | 100A | 60V | 3mohm | 3V | 70R7964 | --- |
| ● PSMN5R6-100PS.127 | 100A | 100V | 5.6mohm | 3V | 70R7973 | --- |
| ● PSMN022-30PL.127 | 30A | 30V | 19mohm | 1.7V | 99R2970 | 0.68 |
| ● PSMN015-60PS.127 | 50A | 60V | 14.8mohm | 3V | 81R3077 | --- |
| ● PSMN012-80PS.127 | 74A | 80V | 9mohm | 3V | 70R7930 | --- |
| ● PSMN8R0-40PS.127 | 77A | 40V | 7.6mohm | 3V | 70R7976 | 0.43 |
| ● PSMN7R6-60PS.127 | 92A | 60V | 5.9mohm | 3V | 72R6297 | --- |

N Channel, TO-236AB

| | | | | | | |
|--------------|-------|-----|--------|-------|---------|------|
| ● BSH103.215 | 850mA | 30V | 0.4ohm | 400mV | 75R4687 | 0.07 |
|--------------|-------|-----|--------|-------|---------|------|

PIM_177766

STP SERIES N-CHANNEL MOSFETs



life.augmented

| Mfg. Part No. | Vds | Id | VGS(th) | Rds(on) | Stock No. | Price Each 1-9+ |
|-----------------|------|------|---------|-------------------|-----------|--------------------|
| TO-220 | | | | | | |
| ● STP80NF03L-04 | 30V | 80A | 1.7V | 0.004 ohm @ 10 V | 89K1631 | --- |
| ● STP85NF55 | 55V | 80A | 3V | 8 mohm @ 10 V | 89K1637 | 1.97 |
| ● STP80NF55-06 | 55V | 80A | 3V | 6.5 mohm @ 10 V | 89K1634 | 1.36 |
| ● STP16NF06L | 60V | 16A | 2.5V | 70 mohm @ 10 V | 89K1616 | 0.89 |
| ● STP16NF06 | 60V | 16A | 4V | 80 mohm @ 10 V | 89K1615 | --- |
| ● STP36NF06 | 60V | 30A | 4V | 0.032 ohm @ 10 V | 99K1621 | --- |
| ● STP45NF06 | 60V | 38A | 3V | 28 mohm @ 10 V | 89K1624 | --- |
| ● STP55NF06 | 60V | 50A | 3V | 0.015 ohm @ 10 V | 89K1625 | --- |
| ● STP55NF06L | 60V | 55A | 1.7V | 0.014 ohm @ 10 V | 89K1626 | 0.59 |
| ● STP75NF75 | 75V | 80A | 3V | 0.0095 ohm @ 10 V | 89K1628 | --- |
| ● STP140NF75 | 75V | 120A | 4V | 7.5 mohm @ 10 V | 37M6899 | --- |
| ● STP40NF10 | 100V | 50A | 3V | 0.025 ohm @ 10 V | 89K1623 | 0.81 |
| ● STP120NF10 | 100V | 110A | 4V | 0.009 ohm @ 10 V | 99K1612 | --- |
| ● STP40NF12 | 120V | 160A | 2.8V | 32 mohm @ 20 V | 37M6946 | --- |
| ● STP55NK50Z | 500V | 4.4A | 3.75V | 1.22 ohm @ 10 V | 73J5890 | --- |
| ● STP9NK50Z | 500V | 7.2A | 3.75V | 0.72 ohm @ 10 V | 73J5894 | 0.49 |
| ● STP20NM50FD | 500V | 20A | 4V | 0.22 ohm @ 10 V | 57P1933 | --- |
| ● STP12NM50 | 550V | 12A | 4V | 350 mohm @ 10 V | 89K1609 | 2.54 |
| ● STP20NM50 | 550V | 20A | 4V | 250 mohm @ 10 V | 89K1617 | --- |
| ● STP8NM60 | 600V | 8A | 4V | 900 mohm @ 30 V | 54M5578 | --- |
| ● STP12NK60Z | 600V | 10A | 3.75V | 0.53 ohm @ 30 V | 37M6891 | --- |
| ● STP13NM60N | 600V | 11A | 3V | 280 mohm @ 10 V | 09R6075 | --- |

► CONTINUED ►

STP SERIES N-CHANNEL MOSFETs (CONT.)

| Mfg. Part No. | Vds | Id | VGS(th) | Rds(on) | Stock No. | Price Each 1-9+ |
|-----------------|------|-----|---------|------------------|-----------|--------------------|
| TO-220 | | | | | | |
| ● STP20NM60 | 600V | 20A | 4V | 290 mohm @ 30 V | 31M9835 | --- |
| ● STP11NM60 | 650V | 11A | 4V | 450 mohm @ 10 V | 89K1608 | --- |
| ● STP4NK80Z | 800V | 3A | 3.75V | 3 ohm @ 10 V | 89K1622 | 1.36 |
| ● STP3NK90Z | 900V | 3A | 3.75V | 4.1 ohm @ 10 V | 89K1619 | --- |
| ● STP9NK90Z | 900V | 8A | 3.75V | 1.3 ohm @ 10 V | 89K1638 | 1.20 |
| TO-220FP | | | | | | |
| ● STP60NF06FP | 60V | 30A | 4V | 0.014 ohm @ 10 V | 57P2016 | 0.97 |
| ● STP12NM50FP | 550V | 12A | 4V | 350 mohm @ 30 V | 28M8249 | --- |
| ● STP10NK80ZFP | 800V | 9A | 3.75V | 0.78 ohm @ 10 V | 26M3664 | 1.93 |

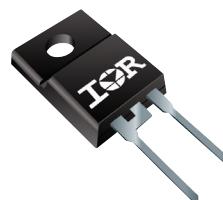
PIM_83793

FAST RECOVERY - SILICON RECTIFIER DIODES



VISHAY

Former International Rectifier Products



| Mfg. Part No. | If(AV) | VF Max | Case Style | Vrrm Max | Stock No. | Price Each 1-9+ |
|------------------|--------|--------|------------|----------|-----------|--------------------|
| ● VS-1N3879 | 6A | 1.4V | DO-203AA | 50V | 07B3535 | 4.58 |
| ● VS-1N3880 | 6A | 1.4V | DO-203AA | 100V | 07B3537 | 4.83 |
| ● VS-1N3881 | 6A | 1.4V | DO-203AA | 200V | 07B3539 | 4.85 |
| ● VS-1N3882 | 6A | 1.4V | DO-203AA | 300V | 09F3527 | 4.67 |
| ● VS-1N3883 | 6A | 1.4V | DO-203AA | 400V | 07B3541 | 4.69 |
| ● VS-6FL100S05 | 6A | 1.4V | DO-203AA | 1kV | 07B4308 | 5.37 |
| ● 8EWF100STR | 8A | 1.2V | TO-252AA | 1kV | 97B9129 | --- |
| ● VS-10ETF06PBFB | 10A | 1.2V | TO-220AC | 600V | 30K5969 | --- |
| ● VS-10ETF06SPBF | 10A | 1.2V | TO-220AC | 1.2kV | 30K5970 | 1.93 |
| ● VS-10ETF12PPBF | 10A | 1.33V | TO-220AC | 1.2kV | 30K5971 | 1.72 |
| ● VS-1N3890 | 12A | 1.4V | DO-203AA | 100V | 07B3545 | 4.92 |
| ● VS-1N3891 | 12A | 1.4V | DO-203AA | 200V | 07B3547 | 7.07 |
| ● VS-1N3892 | 12A | 1.4V | DO-203AA | 300V | 07B3549 | 4.79 |
| ● VS-12FL60S02 | 12A | 1.4V | DO-4 | 600V | 07B3678 | 4.45 |
| ● VS-16FL80S05 | 16A | 1.4V | DO-4 | 1kV | 07B3802 | 6.93 |
| ● VS-16FL100S05 | 20A | 975mV | TO-263 | 1kV | 19M4799 | --- |
| ● VS-20ETF04PBFB | 20A | 1.2V | TO-220AC | 400V | 19M4794 | --- |
| ● VS-20ETF02SPBF | 20A | 1.2V | TO-263 | 200V | 19M4790 | --- |
| ● VS-20ETF04SPBF | 20A | 1.2V | TO-263 | 400V | 19M4795 | --- |
| ● VS-20ETF06PBFB | 20A | 1.3V | TO-220AC | 600V | 30K6012 | 2.21 |
| ● 20ETF02S | 20A | 1.3V | TO-263 | 200V | 07B3885 | --- |
| ● VS-20ETF06SPBF | 20A | 1.3V | TO-263 | 600V | 58K7813 | --- |
| ● VS-20ETF12PBFB | 20A | 1.31V | TO-220AC | 1.2kV | 30K6013 | --- |
| ● VS-20ETF12SPBF | 20A | 1.31V | TO-263 | 1.2kV | 58K7814 | --- |
| ● VS-20ETF06FPBF | 20A | 1.67V | TO-220AC | 600V | 30K6011 | --- |
| ● VS-40EPF06PBFB | 40A | 1.25V | TO-247AC | 1.2kV | 30K6041 | --- |
| ● VS-40EPF12PBFB | 40A | 1.25V | TO-247AC | 1.2kV | 30K6042 | 7.51 |
| ● VS-40HFL40S02 | 40A | 1.95V | DO-203AB | 400V | 07B4195 | 8.92 |
| ● VS-40HFL100S05 | 40A | 1.95V | DO-203AB | 1kV | 09F6973 | 10.55 |
| ● VS-40HFL60S02 | 40A | 1.95V | DO-5 | 600V | 09F6974 | 8.81 |
| ● VS-60EPF06PBFB | 60A | 1.3V | TO-247AC | 600V | 30K6066 | --- |
| ● VS-60EPF12PBFB | 60A | 1.4V | TO-247AC | 1.2kV | 30K6067 | 3.25 |
| ● VS-70HFL40S05 | 70A | 1.85V | DO-203AB | 400V | 07B4413 | 9.90 |
| ● VS-70HFL80S05 | 70A | 1.85V | DO-203AB | 800V | 07B4415 | 11.72 |
| ● VS-70HFL60S02 | 70A | 1.85V | DO-5 | 600V | 09F7319 | --- |
| ● VS-85HFL100S05 | 85A | 1.75V | DO-5 | 1kV | 07B4508 | --- |
| ● VS-85HFL60S02 | 85A | 1.75V | DO-5 | 600V | 07B4513 | 13.72 |
| ● SD103N04S10PV | 110A | 2.23V | | | | |

SCHOTTKY RECTIFIERS

1

AXIAL LEAD RECTIFIERS



Features:

- Glass Passivated
- Hermetically Sealed Glass Envelope

- Sinterglass Axial
- Low Reverse Current

FAST-RECOVERY SINGLE DIODE MODULES (CONT.)

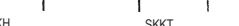
| Mfg. Part No. | Vrrm Max | If(AV) | VF Max | Stock No. | Price Each |
|---------------|----------|--------|--------|-----------|------------|
| CS240650 | 600V | 50A | 1.5V | 06F3329 | --- |
| CS240610 | 600V | 100A | 1.5V | 06F3328 | --- |
| CS241210 | 1.2kV | 100A | 1.5V | 06F3330 | --- |

PIM_4393

SEMIPACK® THYRISTOR/DIODE MODULES



SKKH



SKET series single thyristor; SKKD series two diodes; SKKH series, thyristor (cathode side) + diode; SKKT series, two thyristors. dv/dt grade: 500V/us (mfg. part no. suffix D); 1000V/us (mfg. part no. suffix E). Applications: DC motor and temperature control, light dimming, and rectifiers for AC/AC converters and transistorized AC motor controllers.

| Mfg. Part No. | On State RMS Current IT(rms) | Peak Repetitive Off-State Voltage Vdrm | Peak Non Rep Surge Current Itsm 50Hz | Case Style | Stock No. | Price Each |
|---------------|------------------------------|--|--------------------------------------|------------|-----------|------------|
| SKKT162/16E | 250A | 1.6kV | 5.4kA | 7 Pins | 01H8025 | 54.91 |
| SKKT 27/16 E | 50A | 1.6kV | 550A | 7 Pins | 54H0009 | --- |
| SKKH27/16E | 50A | 1.6kV | 550A | 5 Pins | 88C0714 | 24.47 |
| SKKH 122/16 E | 195A | 1.6kV | 3.6kA | 5 Pins | 91H1729 | 70.37 |
| SKKH 122/16 E | 195A | 1.6kV | 3.6kA | 7 Pins | 91H1825 | 73.54 |
| SKKH 106/16E | 180A | 1.6kV | 2.25kA | 5 Pins | 63K6164 | 41.59 |
| SKKH 250/16 E | 420A | 1.6kV | 9kA | 5 Pins | 63K6165 | 294.24 |
| SKKH 57/16 E | 95A | 1.6kV | 1.5kA | 5 Pins | 63K6166 | 24.61 |
| SKKT 250/16E | 420A | 1.6kV | 9kA | 7 Pins | 63K6168 | 228.29 |
| SKKH 162/16 E | 250A | 1.6kV | 5.4kA | 5 Pins | 64K2277 | 76.43 |
| SKKH 42/16E | 75A | 1.6kV | 1kA | 5 Pins | 64K3171 | 33.80 |
| SKKT 132/16E | 220A | 1.6kV | 4.7kA | 7 Pins | 67K0921 | 70.17 |
| SKKH 92/16E | 150A | 1.6kV | 2kA | | 88K1987 | 28.85 |
| SKKT 57/16 E | 95A | 1.6kV | 1.5kA | 7 Pins | 88K1989 | 35.05 |
| SKKH 330/16 E | 510A | 1.6kV | 9.5kA | 5 Pins | 88K1174 | 294.22 |
| SKKH 72/16E | 125A | 1.6kV | 1.6kA | 5 Pins | 88K1177 | 44.31 |
| SKKT 20/16 E | 40A | 1.6kV | 320A | 7 Pins | 88K1178 | 36.07 |
| SKKT 330/16 E | 510A | 1.6kV | 9.5kA | 7 Pins | 88K1179 | 206.63 |
| SKET 400/16E | 700A | 1.6kV | 14kA | 4 Pins | 88K1985 | 219.23 |
| SKKT 42/16E | 75A | 1.6kV | 1kA | 7 Pins | 88K1988 | 36.42 |
| SKKT 92/16E | 150A | 1.6kV | 2kA | | 83F4930 | 26.75 |
| SKKT 106/16E | 180A | 1.6kV | 2.25kA | | 83F4932 | 29.12 |

PIM_28580

PHASE CONTROL SCR THYRISTORS



*SafeIR™ series phase-control SCRs are designed to increase safety margins. Input function allows for final product design to meet demanding environmental standards. RIA in type number indicates medium power thyristors.

| Mfg. Part No. | Vgt Max | Igt Max | IT(rms) | Case Style | Stock No. | Price Each |
|----------------|---------|---------|---------|------------|-----------|------------|
| VS-10TTS08SPBF | 1V | 15mA | 10A | TO-263 | 74K2905 | --- |
| VS-70TPS12PBF | 1.5V | 100mA | 75A | TO-247 | 30K6069 | 3.89 |
| VS-70TPS16PBF | 1.5V | 100mA | 75A | TO-247 | 31K5941 | --- |
| VS-2N691 | 2V | 40mA | 25A | TO-48 | 08H0841 | 10.73 |
| VS-2N692 | 2V | 40mA | 25A | TO-48 | 09F6589 | --- |
| VS-2N688 | 2V | 40mA | 25A | TO-48 | 09F6577 | 9.88 |
| VS-2N682 | 2V | 40mA | 25A | TO-48 | 08H0840 | 7.28 |
| VS-2N5207 | 2V | 40mA | 35A | TO-48 | 09F5960 | 11.35 |
| VS-2N5205 | 2V | 40mA | 35A | TO-48 | 09F5956 | 11.66 |
| VS-2N5206 | 2V | 40mA | 35A | TO-48 | 09F5958 | 20.23 |

► CONTINUED ►

FAST-RECOVERY SINGLE DIODE MODULES



Features:

- Isolated Mounting
- Planar Chips
- UL Recognized

Applications:

- Inverters
- Choppers
- Switching Power Supplies
- Free Wheeling

Powerex Fast Recovery Single Diode Modules are designed for use in applications requiring fast switching. The modules are isolated for easy mounting with other components on common heatsinks. POW-R-BLOK™ has been tested and recognized by Underwriters Laboratories.

TRR=0.8 µs



► CONTINUED ►

PHASE CONTROL SCR THYRISTORS (CONT.)

| Mfg. Part No. | Vgt Max | Igt Max | IT(rms) | Case Style | Stock No. | Price Each |
|-----------------|---------|---------|---------|------------|-----------|------------|
| | | | | | 1-9+ | |
| VS-25TT512FPPBF | 2V | 45mA | 25A | TO-220AB | 30K6021 | 2.50 |
| VS-25TT512PBF | 2V | 45mA | 25A | TO-220AB | 30K6022 | --- |
| VS-25TT508FPPBF | 2V | 45mA | 25A | TO-220AB | 19M4812 | --- |
| VS-25TT508SPBF | 2V | 45mA | 25A | TO-263 | 19M4814 | --- |
| VS-25TT512SPBF | 2V | 45mA | 25A | TO-263 | 19M4815 | --- |
| VS-25TT516SPBF | 2V | 45mA | 25A | TO-263 | 28M7947 | --- |
| VS-30TPS12PBF | 2V | 45mA | 30A | TO-247AC | 30K6027 | --- |
| VS-16TT508PBF | 2V | 60mA | 16A | TO-220AB | 19M4771 | --- |
| VS-16TT508SPBF | 2V | 60mA | 16A | TO-263 | 19M4772 | --- |
| VS-10RIA120 | 2V | 60mA | 25A | TO-48 | 09F5023 | 14.24 |
| VS-22RIA20 | 2V | 60mA | 35A | TO-48 | 09F6653 | 9.34 |
| VS-22RIA80 | 2V | 60mA | 35A | TO-48 | 09F6656 | 13.22 |
| VS-16RIA100 | 2V | 60mA | 35A | TO-48 | 09F5228 | 12.70 |
| VS-16RIA120 | 2V | 60mA | 35A | TO-48 | 09F5229 | 15.02 |
| VS-22RIA120 | 2V | 60mA | 35A | TO-48 | 09F6652 | 15.88 |
| VS-16RIA60 | 2V | 60mA | 35A | TO-48 | 09F5232 | 15.54 |
| VS-22RIA60 | 2V | 60mA | 35A | TO-48 | 09F6655 | 11.95 |
| VS-16RIA80 | 2V | 60mA | 35A | TO-48 | 09F5233 | 10.91 |
| VS-25RIA120 | 2V | 60mA | 40A | TO-48 | 09F6660 | 15.11 |
| VS-25RIA100 | 2V | 60mA | 40A | TO-48 | 09F6658 | 14.86 |
| VS-25RIA10 | 2V | 60mA | 40A | TO-48 | 32H2603 | 8.12 |
| VS-110RK140 | 2V | 120mA | 172A | TO-94 | 09F5071 | 42.68 |
| VS-110RK120 | 2V | 120mA | 172A | TO-94 | 09F5069 | 55.04 |
| VS-50RIA100 | 2.5V | 100mA | 80A | TO-65 | 09F7086 | 16.73 |
| VS-50RIA10 | 2.5V | 100mA | 80A | TO-65 | 09F7085 | 15.14 |
| VS-50RIA20 | 2.5V | 100mA | 80A | TO-65 | 09F7088 | --- |
| VS-50RIA60 | 2.5V | 100mA | 80A | TO-65 | 09F7090 | 19.36 |
| VS-50RIA40 | 2.5V | 100mA | 80A | TO-65 | 09F7089 | --- |
| VS-80RIA80 | 2.5V | 120mA | 125A | TO-94 | 09F7451 | 38.72 |
| VS-80RIA120 | 2.5V | 120mA | 125A | TO-94 | 09F7447 | 39.13 |
| VS-40TPS12APBF | 2.5V | 150mA | 55A | TO-247AC | 30K6045 | 6.68 |
| VS-40TPS08APBF | 2.5V | 150mA | 55A | TO-247AC | 19M4835 | --- |
| VS-40TPS08PBF | 2.5V | 150mA | 55A | TO-247AC | 55M2238 | --- |
| VS-40TPS12PBF | 2.5V | 150mA | 55A | TO-247AC | 19M4836 | --- |
| VS-180RK1100 | 2.5V | 150mA | 285A | TO-93 | 07B3846 | 79.08 |
| VS-180RK140 | 2.5V | 150mA | 285A | TO-93 | 07B3847 | 62.12 |
| VS-180RK140PBF | 2.5V | 150mA | 285A | TO-93 | 55M1451 | 47.72 |
| VS-ST280CH06C0 | 3V | 150mA | 1.13kA | TO-200AB | 07B3360 | 69.78 |
| VS-ST110S16P0 | 3V | 150mA | 175A | TO-94 | 07B3295 | 112.13 |
| VS-ST110S12P0V | 3V | 150mA | 175A | TO-94 | 97B8689 | 77.07 |
| VS-ST180S12P0V | 3V | 150mA | 314A | TO-93 | 88F1650 | 97.12 |
| VS-ST180S08P0V | 3V | 150mA | 314A | TO-93 | 07B3317 | 101.74 |
| VS-ST180S20P0 | 3V | 150mA | 314A | TO-93 | 98F8316 | 140.09 |
| VS-ST230S14P0 | 3V | 150mA | 360A | TO-93 | 07B3352 | --- |
| VS-ST230S16P0 | 3V | 150mA | 360A | TO-93 | 08F8245 | 97.30 |
| VS-ST230S08P0V | 3V | 150mA | 360A | TO-93 | 08F8242 | 91.85 |
| VS-ST230S12P0V | 3V | 150mA | 360A | TO-93 | 08F8244 | 125.06 |
| VS-ST280S04P0V | 3V | 150mA | 440A | TO-93 | 07B3363 | 97.73 |
| VS-ST280S06P0V | 3V | 150mA | 440A | TO-93 | 08F8248 | 64.12 |
| VS-ST180C12C0 | 3V | 150mA | 660A | TO-200AB | 07B3312 | 65.51 |
| VS-ST180C20C0 | 3V | 150mA | 660A | TO-200AB | 07B3315 | 115.12 |
| VS-ST180C08C0 | 3V | 150mA | 660A | TO-200AB | 08F8226 | 56.33 |
| VS-ST230C16C0 | 3V | 150mA | 780A | TO-200AB | 08F8237 | 73.10 |
| VS-ST230C14C0 | 3V | 150mA | 780A | TO-200AB | 08F8236 | 66.79 |
| VS-ST230C12C0 | 3V | 150mA | 780A | TO-200AB | 08F8235 | 61.76 |
| VS-ST303C10CFK0 | 3V | 200mA | 1.18kA | TO-200AB | 07B3390 | 106.81 |
| VS-ST303C12CFK0 | 3V | 200mA | 1.18kA | TO-200AB | 07B3394 | --- |
| VS-ST300C12C0 | 3V | 200mA | 1.29kA | TO-200AB | 07B3368 | 92.06 |
| VS-ST300C18C0 | 3V | 200mA | 1.29kA | TO-200AB | 07B3372 | 132.56 |
| VS-ST330C12C0 | 3V | 200mA | 1.42kA | TO-200AB | 07B3414 | 95.33 |
| VS-ST330C16C0 | 3V | 200mA | 1.42kA | TO-200AB | 08F8251 | 104.67 |
| VS-ST330C14C0 | 3V | 200mA | 1.42kA | TO-200AB | 08F8250 | 107.12 |
| VS-ST333C08CFL0 | 3V | 200mA | 1.435kA | TO-200AB | 07B3422 | 90.82 |
| VS-ST700C18L0 | 3V | 200mA | 1.857kA | TO-200AC | 07B3434 | 143.45 |
| VS-ST700C16L0 | 3V | 200mA | 1.857kA | TO-200AC | 31C1612 | --- |
| VS-ST700C12L0 | 3V | 200mA | 1.857kA | TO-200AC | 08F8264 | 128.69 |
| VS-ST380C06C0 | 3V | 200mA | 1.9kA | TO-200AB | 07B3433 | 91.21 |
| VS-ST730C16L0 | 3V | 200mA | 2kA | TO-200AC | 07B3439 | 134.76 |
| VS-ST730C12L0 | 3V | 200mA | 2kA | TO-200AC | 07B3437 | 129.42 |
| VS-ST730C14L0 | 3V | 200mA | 2kA | TO-200AC | 07B3438 | 138.85 |
| VS-ST380CH06C0 | 3V | 200mA | 2.22kA | TO-200AB | 07B3431 | 106.11 |
| VS-ST780C04L0 | 3V | 200mA | 2.7kA | TO-200AC | 07B3445 | 136.62 |

► CONTINUED ►

PHASE CONTROL SCR THYRISTORS (CONT.)

| Mfg. Part No. | Vgt Max | Igt Max | IT(rms) | Case Style | Stock No. | Price Each |
|-----------------|---------|---------|---------|------------|-----------|------------|
| | | | | | 1-9+ | |
| VS-ST1200C16K0 | 3V | 200mA | 3.08kA | TO-200AC | 07B3298 | 372.78 |
| VS-ST1200C20K0P | 3V | 200mA | 3.08kA | Module | 55M0988 | --- |
| VS-ST083S12PFK0 | 3V | 200mA | 135A | TO-94 | 07B3279 | 86.33 |
| VS-ST173S12PFK0 | 3V | 200mA | 275A | TO-93 | 07B3310 | 128.28 |
| VS-ST183S08PL0 | 3V | 200mA | 306A | TO-93 | 07B3326 | 103.91 |
| VS-ST300S12P20 | 3V | 200mA | 470A | TO-118 | 07B3378 | --- |
| VS-ST330S12P20 | 3V | 200mA | 520A | TO-118 | 48F7112 | --- |
| VS-ST330S14P0 | 3V | 200mA | 520A | TO-118 | 08F8257 | --- |
| VS-ST330S16P0 | 3V | 200mA | 520A | TO-118 | 08F8258 | --- |
| VS-ST173C12CFK0 | 3V | 200mA | 610A | TO-200AB | 07B3305 | 68.44 |
| VS-ST183C08CFN0 | 3V | 200mA | 690A | TO-200AB | 07B3323 | 47.79 |
| VS-ST303C10LFJ0 | 3V | 200mA | 995A | TO-200AC | 07B3391 | 186.30 |

PIM_70789

SCRs AND TRIACS

NTE
ELECTRONICS, INC.

The NTE5442 thru NTE5448 are silicon controlled rectifiers (SCR's) in a TO127 type package designed for high-volume consumer phase-control applications such as motor speed, temperature, and light controls, and for fast switching applications in ignition and starting systems, voltage regulators, vending machines, and lamp drivers.

The NTE5550 thru NTE5558 SCR's are designed primarily for half-wave AC control applications, such as motor controls, heating controls and power supply crowbar circuits.

NTE5567, NTE5568, NTE5569, & NTE5571 Silicon Controlled Rectifier (SCR)80 Amp (IT(RMS)), TO65 (TO208AC)

NTE5580 thru NTE5585 Silicon Controlled Rectifier (SCR) 275 Amp, TO93

The NTE5452 through NTE5458 are sensitive gate 4 Amp SCR's in a TO202 type package designed to be driven directly with IC and MOS devices. These reverse-blocking triode thyristors may be switched from off-state to conduction by a current pulse applied to the gate terminal. They are de-signed for control applications in lighting, heating, cooling, and static switching relays.

| Mfg. Part No. | Vgt Max | Igt Max | IT(rms) | Case Style | Stock No. | Price Each |
|---------------|---------|---------|---------|------------|-----------|------------|
| | | | | | 1-49+ | |
| NTE5448 | 1.5V | 30mA | 8A | TO-127 | 97C5573 | 22.42 |
| NTE5554 | 1.5V | 40mA | 25A | TO-220 | 31C4835 | 6.77 |
| NTE5556 | 1.5V | 40mA | 25A | TO-220 | 47M2258 | 7.67 |
| NTE5568 | 2.5V | 50mA | 80A | TO-65 | 30C8994 | 43.08 |
| NTE5569 | 2.5V | 50mA | 80A | TO-65 | 06M7459 | 72.00 |
| NTE5529 | 3V | 40mA | 25A | TO-48 | 31C4817 | 27.61 |
| NTE5584 | 3V | 150mA | 275A | TO-93 | 31C4858 | 292.13 |
| NTE5589 | 3V | 150mA | 550A | TO-118 | 31C4863 | 357.28 |
| NTE5591 | 3V | 150mA | 780A | TO-200AB | 31C4866 | 154.99 |
| NTE5455 | 800mV | 200µA | 4A | TO-202 | 29C4688 | 1.62 |

PIM_70307

SILICON CONTROLLED RECTIFIERS (SCRs)



ON Semiconductor

ON



Designed for temperature, light and speed control applications as well as half-wave AC control applications including relay and lamp drivers, small motor controls, gate drivers for larger thyristors, and sensing and detection circuits.

| Mfg. Part No. | Vgt Max | Igt Max | IT(rms) | Case Style | Stock No. | Tape Cut |
|---------------|---------|---------|---------|------------|-----------|----------|
| | | | | | 1-9+ | |
| MCR8DCMT4G | 1V | 15mA | 8A | TO-252 | 11J1347 | --- |
| MCR12NG | 1V | 20mA | 12A | TO-220AB | 26K3698 | --- |
| 2N6397G | 1.5V | 30mA | 12A | TO-220AB | 26K5321 | 0.59 |
| 2N6394G | 1.5V | 30mA | 12A | TO-220AB | 45J2505 | 0.96 |
| MCR68-2G | 1.5V | 30mA | 12A | TO-220AB | 71J5364 | 0.41 |
| 2N6397TG | 1.5V | 30mA | 12A | TO-220AB | 42K3178 | --- |
| 2N6403G | 1.5V | 30mA | 16A | TO-220AB | 26K5322 | --- |
| 2N6401G | 1.5V | 30mA | 16A | TO-220AB | 72J1872 | --- |
| 2N6400G | 1.5V | 30mA | 16A | TO-220AB | 42K3179 | --- |
| 2N6404G | 1.5V | 30mA | 16A | TO-220AB | 42K3181 | --- |

► CONTINUED ►

THYRISTORS/DIODES MODULES

SILICON CONTROLLED RECTIFIERS (SCRs) (CONT.)

| Mfg. Part No. | Vgt Max | Igt Max | IT(rms) | Case Style | Stock No. | Tape Cut |
|---------------|---------|---------|---------|------------|-----------|----------|
| | | | | | | 1-9+ |
| ● 2N6405G | 1.5V | 30mA | 16A | TO-220AB | 42K3182 | --- |
| ● 2N6507G | 1.5V | 30mA | 25A | TO-220AB | 26K5327 | 1.68 |
| ● MCR69-3G | 1.5V | 30mA | 25A | TO-220AB | 45J0826 | 1.14 |
| ● 2N6504G | 1.5V | 30mA | 25A | TO-220AB | 45K2508 | --- |
| ● 2N6509TG | 1.5V | 30mA | 25A | TO-220AB | 42K3187 | --- |
| ● 2N6509G | 1.5V | 75mA | 25A | TO-220AB | 42K3186 | --- |
| ● MCR8SDG | 1.5V | 200µA | 8A | TO-220AB | 26K3711 | --- |
| ● MCR72-8G | 1.5V | 200µA | 8A | TO-220AB | 71J5367 | --- |
| ● C106DG | 800mV | 200µA | 4A | TO-225AA | 26K3582 | --- |

PIM_9599

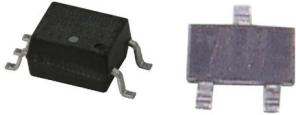
LOW CAPACITANCE TRANSIENT VOLTAGE PROTECTION



| Mfg. Part No. | Vclamp Max. | Pd | Junction Capacitance | Case Style | Stock No. | Tape Cut |
|-------------------|-------------|------|----------------------|------------|-----------|----------|
| | | | | | | 1-9+ |
| ● SR2.8.TCT | 8.5V | 200W | 10pF | SOT-143 | 37K8475 | --- |
| ● SL05.TCT | 11V | 300W | 5pF | SOT-23 | 19K6128 | --- |
| ● SR3.3.TCT | 15V | 150W | 10pF | SOT-143 | 37K8476 | 2.24 |
| ● SLVU2.8.TCT | 15V | 400W | 10pF | SOT-23 | 37K8424 | 0.60 |
| ● SLVU2.8-4.TBT | 15V | 400W | 8pF | SOIC | 37K8425 | 1.40 |
| ● SRDA3.3-4.TBT | 15V | 500W | 15pF | SOIC | 37K8471 | --- |
| ● SRDA3.3-6.TBT | 15V | 500W | 15pF | SOIC | 37K8472 | 3.02 |
| ● SLVU2.8-8.TBT | 17V | 600W | 8pF | SOIC | 37K8426 | --- |
| ● RCLAMP0504N.TCT | 17.5V | 300W | 3pF | SLP2020P6 | 79R2292 | --- |
| ● RCLAMP0514M.TBT | 20V | 125W | 3pF | MSOP | 79R2293 | --- |
| SR05.TC | 20V | 500W | 10pF | SOT-143 | 56J9088 | --- |
| ● SR05.TCT | 20V | 500W | 10pF | SOT-143 | 30K7323 | 1.88 |
| ● RCLAMP0504M.TBT | 25V | 300W | 5pF | MSOP | 56J9021 | --- |

PIM_83746

HIGH CAPACITANCE TRANSIENT VOLTAGE PROTECTION



| Mfg. Part No. | Case Style | Vrwm | Vclamp Max. | Ppp | Breakdown Voltage | Stock No. | Tape Cut |
|----------------------|------------|-------|-------------|------|-------------------|-----------|----------|
| | | | | | | | 1-24+ |
| Bidirectional | | | | | | | |
| ● SMDA05C.TBT | SOIC-8 | 5V | 11V | 300W | 6V | 37K8432 | --- |
| ● SMDA15C.TBT | SOIC-8 | 15V | 30V | 300W | 16.7V | 37K8443 | 3.90 |
| ● SMDA24C.TBT | SOIC-8 | 24V | 55V | 300W | 26.7V | 58K9957 | --- |
| ● SM05.TCT | SOT-23-3 | 5V | 9.8V | 300W | 6V | 37K8462 | 0.50 |
| ● SM12.TCT | SOT-23-3 | 12V | 19V | 300W | 13.3V | 37K8463 | 0.17 |
| ● SM712.TCT | SOT-23-3 | 12V | 26V | 400W | 13.3V | 56J9077 | 1.49 |
| SDC15.TC | SOT-23-3 | 12.8V | 21.2V | 300W | 14.3V-16.4V | 63J8554 | --- |
| ● SM15.TCT | SOT-23-3 | 15V | 24V | 300W | 16.7V | 37K8464 | 0.17 |

PIM_83747

1.5KE SERIES 1500W UNIDIRECTIONAL TVS DIODES



Expertise Applied | Answers Delivered



1.5KE SERIES 1500W UNIDIRECTIONAL TVS DIODES (CONT.)

- Features:
- 1500W Peak Pulse Power Dissipation
 - DO-201 Package
 - Fast Response Time
 - Excellent clamping capability
 - Low incremental surge resistance

| Mfg. Part No. | Case Style | Vrwm | Vclamp Max. | Ppp | Breakdown Voltage | Stock No. | Tape Cut |
|---------------|------------|------|-------------|-----|-------------------|-----------|----------|
| | | | | | | | 1-9+ |

Bidirectional

| | | | | | | | |
|--------------|----------|-------|-------|-------|-------------|---------|------|
| ● 1.5KE6.8CA | DO-201-2 | 5.8V | 10.5V | 1.5kW | 6.45V-7.14V | 48F5833 | --- |
| ● 1.5KE7.5CA | DO-201-2 | 6.4V | 11.3V | 1.5kW | 7.13V-7.88V | 48F5834 | --- |
| ● 1.5KE10CA | DO-201-2 | 8.55V | 14.5V | 1.5kW | 9.5V-10.5V | 17H2565 | 0.19 |
| ● 1.5KE15CA | DO-201-2 | 12.8V | 21.2V | 1.5kW | 14.3V-15.8V | 48F5839 | 0.53 |
| ● 1.5KE18CA | DO-201-2 | 15.3V | 25.2V | 1.5kW | 17.1V-18.9V | 48F5841 | 0.62 |
| ● 1.5KE24CA | DO-201-2 | 20.5V | 33.2V | 1.5kW | 22.8V-25.2V | 48F5843 | 0.23 |
| ● 1.5KE27CA | DO-201-2 | 23.1V | 37.5V | 1.5kW | 25.7V-28.4V | 06R2070 | 0.65 |
| ● 1.5KE30CA | DO-201-2 | 25.6V | 41.4V | 1.5kW | 28.5V-31.5V | 08R0810 | --- |
| ● 1.5KE33CA | DO-201-2 | 28.2V | 45.7V | 1.5kW | 31.4V-34.7V | 17H2641 | 0.19 |
| ● 1.5KE36CA | DO-201-2 | 30.8V | 49.9V | 1.5kW | 34.2V-37.8V | 17H2649 | 0.29 |
| ● 1.5KE39CA | DO-201-2 | 33.3V | 53.9V | 1.5kW | 37.1V-41V | 17H2653 | 0.70 |
| ● 1.5KE43CA | DO-201-2 | 36.8V | 59.3V | 1.5kW | 40.9V-45.2V | 17H2660 | --- |
| ● 1.5KE47CA | DO-201-2 | 40.2V | 64.8V | 1.5kW | 44.7V-49.4V | 17H2667 | 0.67 |
| ● 1.5KE51CA | DO-201-2 | 43.6V | 70.1V | 1.5kW | 48.5V-53.6V | 17H2671 | 0.29 |
| ● 1.5KE56CA | DO-201-2 | 47.8V | 77V | 1.5kW | 53.2V-58.8V | 06R2100 | 0.29 |
| ● 1.5KE62CA | DO-201-2 | 53V | 85V | 1.5kW | 58.9V-65.1V | 06R2103 | 0.17 |
| ● 1.5KE68CA | DO-201-2 | 58.1V | 92V | 1.5kW | 64.6V-71.4V | 06R2105 | 0.59 |
| ● 1.5KE75CA | DO-201-2 | 64.1V | 103V | 1.5kW | 71.3V-78.8V | 06R2109 | --- |
| ● 1.5KE82CA | DO-201-2 | 70.1V | 113V | 1.5kW | 77.9V-86.1V | 17H2695 | --- |
| ● 1.5KE150CA | DO-201-2 | 128V | 207V | 1.5kW | 143V-158V | 48F5852 | --- |
| ● 1.5KE180CA | DO-201-2 | 154V | 246V | 1.5kW | 171V-189V | 48F5855 | 1.02 |
| ● 1.5KE200CA | DO-201-2 | 171V | 274V | 1.5kW | 190V-210V | 08R0809 | 1.02 |
| ● 1.5KE220CA | DO-201-2 | 185V | 328V | 1.5kW | 209V-231V | 06R2065 | 0.21 |
| ● 1.5KE250CA | DO-201-2 | 214V | 344V | 1.5kW | 237V-263V | 48F5858 | 1.02 |
| ● 1.5KE300CA | DO-201-2 | 256V | 414V | 1.5kW | 285V-315V | 48F5859 | 0.92 |
| ● 1.5KE350CA | DO-201-2 | 300V | 482V | 1.5kW | 332V-368V | 17H2645 | 1.02 |
| ● 1.5KE400CA | DO-201-2 | 342V | 548V | 1.5kW | 380V-420V | 72K7354 | 1.02 |
| ● 1.5KE440CA | DO-201-2 | 376V | 602V | 1.5kW | 418V-462V | 17H2663 | 1.02 |
| ● 1.5KE510CA | DO-201-2 | 434V | 698V | 1.5kW | 485V-535V | 06R2092 | 0.12 |

PIM_147856

ESD PROTECTTION DIODS



UDFN



Expertise Applied | Answers Delivered



► CONTINUED ►

► CONTINUED ►

TRANSIENT VOLTAGE SUPPRESSION DIODES

ESD PROTECTTION DIODES (CONT.)

| Part Numbering System | | | | | |
|--------------------------------|--------------|--|---|-----------------|---|
| SP | 3003 (05) | -0x | XXX | T | G |
| TVS Diode Arrays (SPA® Diodes) | Series | Number of Channels: 02 = 2 ch 04 = 4 ch 08 = 8 ch | Package: A = MSOP-10, 4000 quantity J = SC70-5/SC70-6, 3000 quantity X = SOT553/SOT563, 5000 quantity U = µDFN-6L, 3000 quantity BAA = MSOP-8 BAH = SOT23-3, 5, 6 BAJ = SC70-3, 5, 6 | T = Tape & Reel | Blank = NOT Green/RoHS/Lead Free G = Green |

| Mfg. Part No. | Vclamp Max. | Pd | Case Style | Stock No. | Tape Cut |
|----------------|-------------|-------|------------|-----------|----------|
| | | | | | 1-24+ |
| ● SP0524PUTG | 7V | 20W | UDFN | 53W3288 | --- |
| ● SP0504BAJTG | 8V | 200mW | SC-70 | 92K8962 | --- |
| ● SP0505BAJTG | 8V | 200mW | SC-70 | 92K8964 | --- |
| ● SP0503BAHTG | 8V | 225mW | SOT-143 | 92K8959 | 0.89 |
| ● SP0504BAHTG | 8V | 225mW | SOT-23 | 92K8961 | --- |
| ● SP0505BAHTG | 8V | 225mW | SOT-23 | 92K8963 | 1.02 |
| ● SP0506BAATG | 8V | 500mW | MSOP | 92K8965 | --- |
| ● SP2504NUTG | 11.5V | 300W | UDFN | 53W3292 | --- |
| ● SP3304NUTG | 11.5V | 300W | UDFN | 53W3294 | --- |
| ● SP3010-04UTG | 12.3V | 18W | UDFN | 72R4431 | 0.81 |
| ● SP3003-02UTG | 15V | 12.5W | SC-70 | 31T1604 | 0.28 |
| ● SRV05-4HTG | 15V | 150W | SOT-23 | 53W3296 | 0.28 |
| ● SLVU2.8-4BTG | 15V | 600W | SOIC | 53W3283 | 1.87 |
| ● SLVU2.8HTG | 15V | 600W | SOT-23 | 53W3284 | --- |
| ● SR05-02CTG | 18V | 450W | SOT-143 | 04X5215 | --- |
| ● SP2502LBTG | 30V | 2.1kW | SOIC | 53W3290 | --- |

PIM_211438

1SMx 400W TRANSIENT VOLTAGE SUPPRESSORS

ON Semiconductor



Features:

- All Parts supplied in exclusive, cost-effective, highly reliable surface mount package
- Response time typically < 1ns
- Low Leakage < 5 A Above 10V



| Mfg. Part No. | Case Style | Vrwm | Vclamp Max. | Ppp | Breakdown Voltage | Stock No. | Tape Cut |
|-----------------------|------------|------|-------------|-------|-------------------|-----------|----------|
| | | | | | | | 1-9+ |
| Bidirectional | | | | | | | |
| ● 1SMB12CAT3G | 403C-2 | 12V | 19.9V | 600W | 13.3V-14.7V | 45J2430 | --- |
| ● 1SMB18CAT3G | 403C-2 | 18V | 29.2V | 600W | 20V-22.1V | 42K3086 | --- |
| ● 1SMB20CAT3G | 403C-2 | 20V | 32.4V | 600W | 22.2V-24.5V | 10N9658 | --- |
| ● 1SMB30CAT3G | 403C-2 | 30V | 48.4V | 600W | 33.3V-36.8V | 45J2439 | --- |
| ● 1SMB10CAT3G | DO-214AA-2 | 10V | 17V | 600W | 11.1V-12.2V | 45J2427 | --- |
| ● 1SMB15CAT3G | DO-214AA-2 | 15V | 24.4V | 600W | 16.7V-18.5V | 45J2433 | --- |
| ● 1SMB16CAT3G | DO-214AA-2 | 16V | 26V | 600W | 17.8V-19.7V | 42K3085 | --- |
| ● 1SMB24CAT3G | DO-214AA-2 | 24V | 38.9V | 600W | 26.7V-29.5V | 10N9737 | --- |
| ● 1SMB28CAT3G | DO-214AA-2 | 28V | 45.4V | 600W | 31.1V-34.4V | 10N9659 | --- |
| ● 1SMB36CAT3G | DO-214AA-2 | 36V | 58.1V | 600W | 40V-44.2V | 26K5266 | --- |
| ● 1SMB40CAT3G | DO-214AA-2 | 40V | 64.5V | 600W | 44.4V-49.1V | 10N9661 | --- |
| ● 1SMB75CAT3G | DO-214AA-2 | 75V | 121V | 600W | 83.3V-92.07V | 10N9675 | --- |
| ● 1SMA12CAT3G | DO-214AC-2 | 12V | 19.9V | 400W | 13.3V-14.7V | 10N9650 | --- |
| ● 1SMA15CAT3G | DO-214AC-2 | 15V | 24.4V | 400W | 16.7V-18.46V | 98H1003 | --- |
| ● 1SMA33CAT3G | DO-214AC-2 | 33V | 53.3V | 400W | 36.7V-40.6V | 10N9652 | --- |
| ● 1SMA70CAT3G | DO-214AC-2 | 70V | 113V | 400W | 77.8V-86V | 10N9655 | --- |
| Unidirectional | | | | | | | |
| ● 1SMB20AT3G | 403A-2 | 20V | 32.4V | 600W | 22.2V-24.5V | 10N9657 | --- |
| ● 1SMB48AT3G | 403A-2 | 48V | 77.4V | 600W | 53.3V-58.9V | 42K3092 | --- |
| ● 1SMB5.0AT3G | DO-214AA-2 | 5V | 9.2V | 600W | 6.4V-7V | 45J2445 | --- |
| ● 1SMB7.0AT3G | DO-214AA-2 | 7V | 12V | 600W | 7.78V-8.6V | 10N9672 | --- |
| ● 1SMB8.5AT3G | DO-214AA-2 | 8.5V | 14.4V | 600W | 9.44V-10.4V | 10N9676 | --- |
| ● 1SMB18AT3G | DO-214AA-2 | 18V | 29.2V | 600W | 20V-22.1V | 45J2434 | --- |
| ● 1SMB24AT3G | DO-214AA-2 | 24V | 38.9V | 600W | 26.7V-29.5V | 45J2436 | --- |
| ● 1SMB28AT3G | DO-214AA-2 | 28V | 45.4V | 600W | 31.1V-34.4V | 45J2437 | --- |
| ● 1SMB33AT3G | DO-214AA-2 | 33V | 53.3V | 600W | 36.7V-40.6V | 45J2440 | --- |
| ● 1SMB36AT3G | DO-214AA-2 | 36V | 58.1V | 600W | 40V-44.2V | 45J2442 | --- |
| ● 1SMB54AT3G | DO-214AA-2 | 54V | 87.1V | 600W | 60V-66.3V | 10N9663 | 0.07 |
| ● 1SMC5.0AT3G | DO-214AB-2 | 5V | 9.2V | 1.5kW | 6.4V-7V | 45J2468 | --- |
| ● 1SMC6.0AT3G | DO-214AB-2 | 6V | 10.3V | 1.5kW | 6.67V-7.37V | 10N9683 | --- |
| ● 1SMC12AT3G | DO-214AB-2 | 12V | 19.9V | 1.5kW | 13.3V-14.7V | 10N9679 | --- |
| ● 1SMC15AT3G | DO-214AB-2 | 15V | 24.4V | 1.5kW | 16.7V-18.5V | 10N9680 | --- |

► CONTINUED ►

1SMx 400W TRANSIENT VOLTAGE SUPPRESSORS (CONT.)

| Mfg. Part No. | Case Style | Vrwm | Vclamp Max. | Ppp | Breakdown Voltage | Stock No. | Tape Cut |
|-----------------------|------------|------|-------------|-------|-------------------|-----------|----------|
| | | | | | | | 1-9+ |
| Unidirectional | | | | | | | |
| ● 1SMC18AT3G | DO-214AB-2 | 18V | 29.2V | 1.5kW | 20V-22.1V | 10N9681 | --- |
| ● 1SMC24AT3G | DO-214AB-2 | 24V | 38.9V | 1.5kW | 26.7V-29.5V | 71J9237 | --- |
| ● 1SMC26AT3G | DO-214AB-2 | 26V | 42.1V | 1.5kW | 28.9V-31.9V | 26K5270 | --- |
| ● 1SMC28AT3G | DO-214AB-2 | 28V | 45.4V | 1.5kW | 31.1V-34.4V | 42K3116 | --- |
| ● 1SMC33AT3G | DO-214AB-2 | 33V | 53.3V | 1.5kW | 36.7V-40.6V | 88H5167 | --- |
| ● 1SMC36AT3G | DO-214AB-2 | 36V | 58.1V | 1.5kW | 40V-44.2V | 42K3118 | --- |
| ● 1SMC54AT3G | DO-214AB-2 | 54V | 87.1V | 1.5kW | 60V-66.3V | 42K3119 | --- |
| ● 1SMC58AT3G | DO-214AB-2 | 58V | 93.6V | 1.5kW | 64.4V-71.2V | 10N9682 | --- |
| ● 1SM5.0AT3G | DO-214AC-2 | 5V | 9.2V | 400W | 6.4V-7V | 98H1010 | 0.19 |
| ● 1SM6.0AT3G | DO-214AC-2 | 6V | 10.3V | 400W | 6.67V-7.37V | 10N9654 | --- |
| ● 1SM8.0AT3G | DO-214AC-2 | 12V | 19.9V | 400W | 13.3V-14.7V | 10N9649 | --- |
| ● 1SM12AT3G | DO-214AC-2 | 15V | 24.4V | 400W | 16.7V-18.5V | 10N9651 | --- |
| ● 1SM15AT3G | DO-214AC-2 | 15V | 33V | 400W | 36.7V-40.6V | 26K5247 | --- |
| ● 1SM36AT3G | DO-214AC-2 | 36V | 58.1V | 400W | 40V-44.2V | 10N9653 | --- |

PIM_169710

SMBJ SERIES 600W UNIDIRECTIONAL TRANSIENT VOLTAGE SUPPRESSION DIODES



BOURNS®



| Mfg. Part No. | Case Style | Vrwm | Vclamp Max. | Ppp | Breakdown Voltage | Stock No. | Tape Cut |
|-----------------------|------------|------|-------------|------|-------------------|-----------|----------|
| | | | | | | | 1-24+ |
| Bidirectional | | | | | | | |
| ● SMBJ5.0CA | DO-214AA-2 | 5V | 9.2V | 600W | 6.4V-7.25V | 67R1666 | 0.07 |
| ● SMBJ6.0CA | DO-214AA-2 | 6V | 10.3V | 600W | 6.67V-7.67V | 67R1675 | --- |
| ● SMBJ6.5CA | DO-214AA-2 | 6.5V | 11.2V | 600W | 7.22V-8.3V | 67R1677 | 0.07 |
| ● SMBJ7.0CA | DO-214AA-2 | 7V | 12V | 600W | 7.78V-8.95V | 67R1683 | 0.07 |
| ● SMBJ7.5CA | DO-214AA-2 | 7.5V | 12.9V | 600W | 8.33V-9.58V | 67R1685 | 0.45 |
| ● SMBJ8.5CA | DO-214AA-2 | 8.5V | 14.4V | 600W | 9.44V-10.8V | 67R1695 | --- |
| ● SMBJ10CA | DO-214AA-2 | 10V | 17V | 600W | 11.1V-12.8V | 67R1610 | --- |
| ● SMBJ12CA | DO-214AA-2 | 12V | 19.9V | 600W | 13.3V-14.7V | 67R1618 | 0.12 |
| ● SMBJ13CA | DO-214AA-2 | 13V | 21.5V | 600W | 14.4V-16.5V | 67R1622 | --- |
| ● SMBJ15CA | DO-214AA-2 | 15V | 24.4V | 600W | 16.7V-19.2V | 67R1628 | 0.35 |
| ● SMBJ16CA | DO-214AA-2 | 16V | 26V | 600W | 17.8V-20.5V | 67R1632 | 0.39 |
| ● SMBJ18CA | DO-214AA-2 | 18V | 29.2V | 600W | 20V-23.3V | 67R1640 | 0.12 |
| ● SMBJ20CA | DO-214AA-2 | 20V | 32.4V | 600W | 22.2V-25.5V | 67R1642 | --- |
| ● SMBJ26CA | DO-214AA-2 | 26V | 42.1V | 600W | 28.9V-32.2V | 67R1648 | 0.36 |
| ● SMBJ28CA | DO-214AA-2 | 28V | 45.4V | 600W | 31.1V-35.8V | 67R1650 | 0.07 |
| ● SMBJ30CA | DO-214AA-2 | 30V | 48.4V | 600W | 33.3V-38.3V | 67R1652 | 0.12 |
| ● SMBJ33CA | DO-214AA-2 | 33V | 53.3V | 600W | 36.7V-42.2V | 67R1654 | 0.07 |
| ● SMBJ36CA | DO-214AA-2 | 36V | 58.1V | 600W | 40V-46V | 67R1656 | 0.12 |
| ● SMBJ40CA | DO-214AA-2 | 40V | 64.5V | 600W | 44.4V-51.1V | 67R1658 | --- |
| ● SMBJ43CA | DO-214AA-2 | 43V | 69.4V | 600W | 47.8V-52.8V | 67R1660 | --- |
| ● SMBJ51CA | DO-214AA-2 | 51V | 82.4V | 600W | 56.7V-65.2V | 67R1668 | --- |
| ● SMBJ170CA | DO-214AA-2 | 170V | 275V | 600W | 189V-218V | 67R1638 | --- |
| Unidirectional | | | | | | | |
| ● SMBJ5.0A | DO-214AA-2 | 5V | 9.2V | 600W | 6.4V-7.25V | 67R1665 | 0.06 |
| ● SMBJ6.0A | DO-214AA-2 | 6V | 10.3V | 600W | 6.67V-7.67V | 67R1673 | 0.38 |
| ● SMBJ10A | DO-214AA-2 | 10V | 17V | 600W | 11.1V-12.8V | 67R1609 | --- |
| ● SMBJ12A | DO-214AA-2 | 12V | 19.9V | 600W | 13.3V-15.3V | 67R1617 | 0.06 |
| ● SMBJ13A | DO-214AA-2 | 13V | 21.5V | 600W | 14.4V-16.5V | 67R1621 | --- |
| ● SMBJ18A | DO-214AA-2 | 18V | 29.2V | 600W | 20V-23.3V | 67R1639 | 0.30 |
| ● SMBJ20A | DO-214AA-2 | 20V | 32.4V | 600W | 22.2V-25.5V | 67R1641 | 0.33 |
| ● SMBJ24A | DO-214AA-2 | 24V | 38.9V | 600W | 26.7V-30.7V | 67R1645 | --- |
| ● SMBJ28A | DO-214AA-2 | 28V | 45.4V | 600W | 31.1V-35.8V | 67R1649 | 0.29 |
| ● SMBJ30A | DO-214AA-2 | 30V | 48.4V | 600W | 33.3V-38.3V | 67R1651 | 0.06 |
| ● SMBJ33A | DO-214AA-2 | 33V | 53.3V | 600W | 36.7V-42.2V | 67R1653 | 0.33 |
| ● SMBJ36A | DO-214AA-2 | 36V | 58.1V | 600W | 40V-46V | 67R1655 | --- |

PIM_172456



CUT COSTS, NOT CORNERS.

Multicomp offers the newest technology in board-level and box-build components, combining affordable prices with reliable performance.

You'll find everything from active and passive components to switches, relays, semiconductors, and more - all in one convenient place.



Essential Quality. Substantial Value.

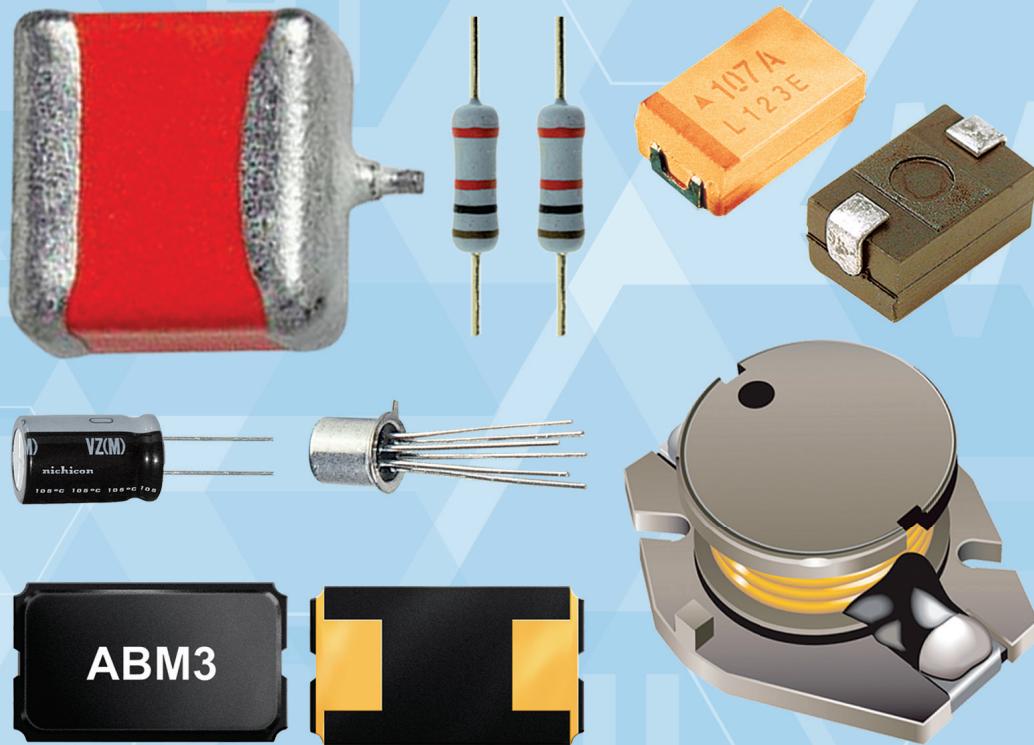
For every phase of engineering, we offer affordable, reliable solutions for your bench, belt, board and box.

Discover the difference at newark.com/value

Multicomp | Tenma | Pro-Power | Duratool | Pro-Elec | Pro-Signal

Passive Components

| | |
|--|---|
| Capacitors | Inductors, Coils, Filters & Ferrites |
| Ceramic Capacitors 74-76 | Inductors – SMD 107-108 |
| Tantalum Capacitors 76-80 | Inductors – Radial Terminal 108 |
| Aluminum Electrolytic Capacitors 80-84 | Ferrite Cable Cores/Sleeves 109-110 |
| Film Capacitors 84-86 | Inductor/Ferrite Kits 110 |
| Resistors, Thermistors & Potentiometers | Crystals, Oscillators & Resonators |
| Fixed Resistor 87 | Resonators – SMD 111 |
| Resistor Networks 87-94 | Oscillators – Standard 111 |
| Resistor Networks 95-99 | |
| Current Sense Resistors – SMD 99-101 | |
| Potentiometers 101-105 | |
| Multi-Turn Trimmers 105-106 | |
| Encoders 106 | |
| | Onboard Audibles, Microphones & Speakers |
| | Audible Signals 112-113 |
| | Microphones & Speakers 113 |



See the **COMPLETE RANGE** of Passives newark.com/passives.

To search by manufacturer, see our detailed **Manufacturer Index** on page 1768.

Explore our expanded range of Full Reel Passive Components. Available in Cut Tape, too!

- Almost 40,000 Passive Components available on Full Reels
- Thousands more products added monthly
- Market-leading manufacturers
- Supplied in original manufacturers packaging
- Suitable for all your production needs
- Competitive prices with up to 8 price breaks

**Order Full Reels
or Cut Tape
Easy as 1-2-3**

1. See the different packaging options on our Part Detail pages
2. View the price breakdowns instantly
3. Choose your packaging preference

We stock Full Reel components From the Industry's Leading Manufacturers



BOURNS®



ON Semiconductor®



Not sure which semiconductor is right for your design?

Get direct, one-on-one technical support via Live Chat online 24/5 or by phone at 1.877.736.4835.

More Circuit Protection products, too!

We now stock over 28,000 devices – and all are ready for same-day shipping. Even better, we've removed the \$20 up-charge on thousands of circuit protection products shipping from our overseas warehouse — so now you have more to choose from, and less to pay for!

- Circuit Breakers
- ESD Protection Devices
- Fuses & Fuse Accessories
- Gas Discharge Tubes (GDTs)
- Thermistors
- Transient Voltage Suppressors (TVSSs)
- Miscellaneous Circuit Protection Devices

Passive Components - Full Reels and Cut Tape

| Passives | | | | | | | | | | | | | | | | | |
|--------------------|------------------------|-----|--------|----------|------------------------|-------|------------|-----------|--------|--------|-----------|-----------------|-------------|----------------|--------|--------|-----------------|
| | Abraccon | AVX | Bourns | Colcraft | IQD Frequency Products | Kemet | Littlefuse | Multicomp | Murata | Ohmite | Panasonic | TE Connectivity | TDK – Epcos | TT Electronics | Vishay | Walsin | Yageo – Phycomp |
| Capacitors | Aluminium Electrolytic | | | | | | ■ | | | | ■ | | | | | | |
| | Film | | | | | | | | | | | ■ | | | | | |
| | Multilayer Ceramic | ■ | | | | ■ | | ■ | ■ | | | ■ | | | ■ | ■ | |
| | Polymer | | | | | ■ | | | | | ■ | | | | | | |
| | Tantalum | ■ | | | | ■ | | | | | | | ■ | | | | |
| Circuit Protection | PTC Resettable Fuses | | ■ | | | | ■ | | | | | | | | | | |
| | SMD Fuses | | | | | | ■ | | | | | | | | | | |
| | Thermistors | | | | | | | | | | | ■ | | | | | |
| | Varistors | | | | | | | ■ | | | | ■ | | | | | |
| Resistors | Carbon Film | | | | | | | | | | | | ■ | | | | |
| | Current Sense | | | | | | | ■ | | ■ | | ■ | | ■ | ■ | ■ | |
| | MELF | | | | | | | ■ | | | | | | ■ | | | |
| | Metal Film | | | | | | | ■ | | ■ | ■ | | | ■ | ■ | | |
| | Thick Film | | | | | | | ■ | | ■ | ■ | | ■ | ■ | ■ | ■ | |
| Magnetics | Thin Film | | | | | | | ■ | | ■ | ■ | | ■ | ■ | ■ | ■ | |
| | Inductors | | | ■ | | | | | | | | ■ | | | | | |
| Frequency Control | Crystals | ■ | | | | ■ | | | | | | | | | | | |
| | Oscillators | ■ | | | | ■ | | | | | | | | | | | |

■ Available in full reel and cut tape quantities

Free Re-Reeling

No more wasted components or unused stock, at no cost – only at Newark element14

We're the only national electronics distributor to offer you re-reeling for cut tape orders that are longer than 18" — at no charge. Re-reeled to EIA standards, this service is available for thousands of top brand components.

Free Re-Reeling for Semiconductors & Passives

Available for diodes, transistors, ICs and surface-mount optoelectronic components

Available for surface-mount resistors, capacitors, inductors, ferrites, trimmers, crystals and oscillators

CAPACITORS

CERAMIC CAPACITORS

MULTILAYER CERAMIC CAPACITORS - 100,000pF AND ABOVE

SMD

RoHS Compliant Available

AVX
A KYOCERA GROUP COMPANY

Note: Mfg. part no. suffix K4T2A refers to failure rate; Automotive. (KAT2A - Not Applicable). KAT2X refers to thickness; 0.95mm max.



| Mfg. Part No. | Cap. | Tol. | Stock No. | Tape Cut |
|---------------------------------------|---------|-----------|-----------|----------|
| 0201 [0603 Metric], X5R, 6.3 V | | | | 1-24+ |
| ● 0201D104KAT2A | 0.1 µF | ±10% | 85K9474 | 0.01 |
| 0402 [1005 Metric], X5R, 6.3 V | | | | |
| ● 0402D224KAT2A | 0.22 µF | ±10% | 10R5926 | 0.02 |
| ● 0402D105KAT2A | 1 µF | ±10% | 84K8386 | 0.03 |
| 0402 [1005 Metric], X5R, 10 V | | | | |
| ● 0402ZD104KAT2A | 0.1 µF | ±10% | 96M1117 | 0.00 |
| ● 0402ZD224KAT2A | 0.22 µF | ±10% | 94W2830 | 0.10 |
| ● 0402ZD105KAT2A | 1 µF | ±10% | 06M4041 | 0.04 |
| 0603 [1608 Metric], X5R, 4 V | | | | |
| ● 0603D4D106MAT2A | 10 µF | ±20% | 10R5934 | 0.09 |
| 0603 [1608 Metric], X5R, 6.3 V | | | | |
| ● 0603D6D105KAT2A | 1 µF | ±10% | 84K8390 | --- |
| ● 0603D6D475KAT2A | 4.7 µF | ±10% | 96M1295 | --- |
| ● 0603D6D475MAT2A | 4.7 µF | ±20% | 96M1296 | --- |
| 0603 [1608 Metric], X5R, 10 V | | | | |
| ● 0603ZD105KAT2A | 1 µF | ±10% | 84K8388 | --- |
| 0603 [1608 Metric], X5R, 16 V | | | | |
| ● 0603YD224KAT2A | 0.22 µF | ±10% | 96M1182 | --- |
| ● 0603YD334KAT2A | 0.33 µF | ±10% | 96M1185 | --- |
| ● 0603YD474KAT2A | 0.47 µF | ±10% | 96M1186 | 0.01 |
| ● 0603YD105KAT2A | 1 µF | ±10% | 96K4752 | --- |
| ● 0603YD225KAT2A | 2.2 µF | ±10% | 96M1183 | 0.05 |
| ● 0603YD225MAT2A | 2.2 µF | ±20% | 96M1184 | --- |
| 0603 [1608 Metric], X5R, 25 V | | | | |
| ● 0603ZD224KAT2A | 0.22 µF | ±10% | 96M1266 | 0.02 |
| ● 0603ZD105KAT2A | 1 µF | ±10% | 96M1265 | --- |
| 0603 [1608 Metric], X5R, 50 V | | | | |
| ● 0603D5D104KAT2A | 0.1 µF | ±10% | 94W2908 | --- |
| 0603 [1608 Metric], X7R, 10 V | | | | |
| ● 0603ZC104KAT2A | 0.1 µF | ±10% | 94W2856 | 0.01 |
| ● 0603ZC154KAT2A | 0.15 µF | ±10% | 96M1190 | 0.01 |
| ● 0603ZC224KAT2A | 0.22 µF | ±10% | 96K4753 | --- |
| ● 0603ZC105KAT2A | 1 µF | ±10% | 94W2857 | --- |
| 0603 [1608 Metric], X7R, 16 V | | | | |
| ● 0603YC104JAT2A | 0.1 µF | ±5% | 96M1175 | 0.31 |
| ● 0603YC104KAT2A | 0.1 µF | ±10% | 96M1176 | 0.02 |
| ● 0603YC104K4T2A | 0.1 µF | ±10% | 55J2625 | 0.01 |
| ● 0603YC104MAT2A | 0.1 µF | ±20% | 96M1177 | --- |
| ● 0603YC105KAT2A | 1 µF | ±10% | 96M1178 | 0.30 |
| 0603 [1608 Metric], X7R, 25 V | | | | |
| ● 0603ZC104KAT2A | 0.1 µF | ±10% | 96M1263 | 0.02 |
| 0603 [1608 Metric], X7R, 50 V | | | | |
| ● 0603C5C104KAT2A | 0.1 µF | ±10% | 54K2412 | 0.19 |
| ● 0603C5C104K4T2A | 0.1 µF | ±10% | 10R5938 | 0.18 |
| 0603 [1608 Metric], Y5V, 10 V | | | | |
| ● 0603ZG105ZAT2A | 1 µF | +80%,-20% | 84K8389 | 0.01 |
| 0603 [1608 Metric], Y5V, 16 V | | | | |
| ● 0603YG104ZAT2A | 0.1 µF | +80%,-20% | 94W2855 | 0.01 |
| 0603 [1608 Metric], Y5V, 25 V | | | | |
| ● 0603ZG104ZAT2A | 0.1 µF | +80%,-20% | 96K4762 | 0.01 |
| 0603 [1608 Metric], Y5V, 50 V | | | | |
| ● 0603S5C104ZAT2A | 0.1 µF | +80%,-20% | 96M1293 | --- |
| 0805 [2012 Metric], X5R, 6.3 V | | | | |
| ● 08056D475KAT2A | 4.7 µF | ±10% | 84K8400 | --- |
| ● 08056D106MAT2A | 10 µF | ±20% | 84K8399 | --- |
| ● 08056D226MAT2A | 22 µF | ±20% | 96M1423 | --- |
| 0805 [2012 Metric], X5R, 10 V | | | | |
| ● 0805ZD105KAT2A | 1 µF | ±10% | 94W2911 | --- |
| ● 0805ZD335KAT2A | 3.3 µF | ±10% | 84K8395 | --- |
| ● 0805ZD475KAT2A | 4.7 µF | ±10% | 84K8396 | --- |
| ● 0805ZD106KAT2A | 10 µF | ±10% | 96M1311 | --- |

● Indicates RoHS Compliant

Find Datasheets Online

MULTILAYER CERAMIC CAPACITORS - 100,000pF AND ABOVE (CONT.)

| Mfg. Part No. | Cap. | Tol. | Stock No. | Tape Cut |
|---------------------------------------|---------|-----------|-----------|----------|
| 0805 [2012 Metric], X5R, 16 V | | | | 1-24+ |
| ● 0805YD105KAT2A | 1 µF | ±10% | 96M1303 | --- |
| ● 0805YD225KAT2A | 2.2 µF | ±10% | 84K8392 | --- |
| ● 0805YD475KAT2A | 4.7 µF | ±10% | 96M1306 | --- |
| ● 0805YD106KAT2A | 10 µF | ±10% | 96M1304 | 0.80 |
| ● 0805YD106MAT2A | 10 µF | ±20% | 96M1305 | --- |
| 0805 [2012 Metric], X5R, 25 V | | | | |
| ● 08053D474KAT2A | 0.47 µF | ±10% | 96M1386 | 0.09 |
| ● 08053D684KAT2A | 0.68 µF | ±10% | 96M1387 | 0.10 |
| ● 08053D105KAT2A | 1 µF | ±10% | 96M1385 | 0.02 |
| ● 08053D255KAT2A | 2.2 µF | ±10% | 94W2920 | --- |
| 0805 [2012 Metric], X7R, 16 V | | | | |
| ● 0805YC104KAT2A | 0.1 µF | ±10% | 94W2909 | 0.27 |
| ● 0805YC224KAT2A | 0.22 µF | ±10% | 96M1300 | --- |
| ● 0805YC334KAT2A | 0.33 µF | ±10% | 96M1301 | 0.33 |
| ● 0805YC474JAT2A | 0.47 µF | ±5% | 96M1302 | 0.16 |
| ● 0805YC474KAT2A | 0.47 µF | ±10% | 96K4765 | 0.29 |
| ● 0805YC105KAT2A | 1 µF | ±10% | 96M1298 | 0.33 |
| 0805 [2012 Metric], X7R, 25 V | | | | |
| ● 08053C104JAT2A | 0.1 µF | ±5% | 94W2916 | --- |
| ● 08053C104KAT2A | 0.1 µF | ±10% | 96M1381 | 0.02 |
| ● 08053C104MAT2A | 0.1 µF | ±20% | 94W2917 | 0.02 |
| ● 08053C154KAT2A | 0.15 µF | ±10% | 96M1383 | 0.24 |
| ● 08053C224JAT2A | 0.22 µF | ±5% | 65H4259 | --- |
| ● 08053C224KAT2A | 0.22 µF | ±10% | 96K4775 | 0.25 |
| ● 08053C224MAT2A | 0.22 µF | ±20% | 96M1384 | 0.06 |
| ● 08053C105JAT2A | 1 µF | ±5% | 94W2918 | --- |
| ● 08053C105KAT2A | 1 µF | ±10% | 96M1382 | 0.26 |
| ● 08053C105K4T2A | 1 µF | ±10% | 94W2919 | --- |
| ● 08053C225KAT2A | 2.2 µF | ±10% | 10R5975 | --- |
| 0805 [2012 Metric], X7R, 50 V | | | | |
| ● 08055C104MAT2A | 0.1 µF | ±20% | 96K4779 | 0.02 |
| ● 08055C224KAT2A | 0.22 µF | ±10% | 96M1410 | 0.02 |
| ● 08055C334KAT2A | 0.33 µF | ±10% | 10R5978 | 0.04 |
| ● 08055C474KAT2A | 0.47 µF | ±10% | 10R5979 | 0.06 |
| 0805 [2012 Metric], Y5V, 100 V | | | | |
| ● 08051C104KAT2A | 0.1 µF | ±10% | 96M1354 | 0.03 |
| 0805 [2012 Metric], Y5V, 10 V | | | | |
| ● 0805ZG475ZAT2A | 4.7 µF | +80%,-20% | 84K8397 | --- |
| 0805 [2012 Metric], Y5V, 16 V | | | | |
| ● 0805YG105ZAT2A | 1 µF | +80%,-20% | 96M1307 | --- |
| 0805 [2012 Metric], Y5V, 25 V | | | | |
| ● 08053G104ZAT2A | 0.1 µF | +80%,-20% | 96M1388 | 0.17 |
| ● 08053G474ZAT2A | 0.47 µF | +80%,-20% | 96M1391 | 0.21 |
| ● 08053G105ZAT2A | 1 µF | +80%,-20% | 96M1389 | 0.05 |
| 0805 [2012 Metric], Y5V, 50 V | | | | |
| ● 08055G104ZAT2A | 0.1 µF | +80%,-20% | 96M1421 | 0.02 |
| ● 08055G224ZAT2A | 0.22 µF | +80%,-20% | 96M1422 | --- |
| 0805 [2012 Metric], Z5U, 25 V | | | | |
| ● 08053E104ZAT2A | 0.1 µF | +80%,-20% | 34C6803 | 0.02 |
| 0805 [2012 Metric], Z5U, 50 V | | | | |
| ● 08055E104ZAT2A | 0.1 µF | +80%,-20% | 34C6807 | 0.04 |
| 1206 [3216 Metric], X5R, 6.3 V | | | | |
| ● 12066D106KAT2A | 10 µF | ±10% | 84K8407 | --- |
| ● 12066D106KAT2X | 10 µF | ±10% | 96M1516 | --- |
| ● 12066D226KAT2A | 22 µF | ±10% | 84K8408 | --- |
| ● 12066D476MAT2A | 47 µF | ±20% | 96M1517 | --- |
| 1206 [3216 Metric], X5R, 10 V | | | | |
| ● 1206ZD475KAT2A | 4.7 µF | ±10% | 84K8404 | --- |
| ● 1206ZD106KAT2A | 10 µF | ±10% | 84K8403 | --- |
| 1206 [3216 Metric], X5R, 16 V | | | | |
| ● 1206YD106KAT2A | 10 µF | ±10% | 84K8401 | --- |
| ● 1206YD106MAT2A | 10 µF | ±20% | 96M1430 | 0.22 |
| 1206 [3216 Metric], X5R, 25 V | | | | |
| ● 12063D225KAT2A | 2.2 µF | ±10% | 96M1497 | --- |
| ● 12063D475KAT2A | 4.7 µF | ±10% | 84K8406 | 0.07 |
| ● 12063D475MAT2A | 4.7 µF | ±20% | 96M1498 | 0.14 |
| ● 12063D106MAT2A | 10 µF | ±20% | 94W2951 | --- |
| 1206 [3216 Metric], X5R, 50 V | | | | |
| ● 12065D475KAT2A | 4.7 µF | ±10% | 94W2963 | 0.19 |

► CONTINUED ►

► CONTINUED ►

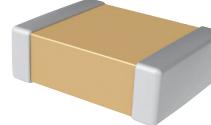
CERAMIC CAPACITORS

MULTILAYER CERAMIC CAPACITORS - 100,000pF AND ABOVE (CONT.)

| Mfg. Part No. | Cap. | Tol. | Stock No. | Tape Cut |
|---------------------------------------|---------|-----------|-----------|----------|
| | | | | 1-24+ |
| 1206 [3216 Metric], X7R, 10 V | | | | |
| ● 1206ZC104KAT2A | 0.1 µF | ±10% | 34C6814 | 0.07 |
| ● 1206ZC225KAT2A | 2.2 µF | ±10% | 96M1434 | 0.05 |
| 1206 [3216 Metric], X7R, 16 V | | | | |
| ● 1206YC104KAT2A | 0.1 µF | ±10% | 34C6813 | 0.30 |
| ● 1206YC105JAT2A | 1 µF | ±5% | 96M1426 | 0.12 |
| ● 1206YC105KAT2A | 1 µF | ±10% | 96K4781 | 0.04 |
| ● 1206YC106KAT2A | 10 µF | ±10% | 10R6005 | 0.27 |
| 1206 [3216 Metric], X7R, 25 V | | | | |
| ● 1206C104MAT2A | 0.1 µF | ±20% | 34C6819 | 0.03 |
| ● 1206C3474KAT2A | 0.47 µF | ±10% | 96M1495 | 0.10 |
| ● 1206C105KAT2A | 1 µF | ±10% | 96K4787 | 0.44 |
| ● 1206C225KAT2A | 2.2 µF | ±10% | 99K5605 | 0.61 |
| 1206 [3216 Metric], X7R, 50 V | | | | |
| ● 1206C104JAT2A | 0.1 µF | ±5% | 96M1508 | 0.05 |
| ● 1206C104KAT2A | 0.1 µF | ±10% | 34C6824 | 0.26 |
| ● 1206C104MAT2A | 0.1 µF | ±20% | 96K4788 | 0.35 |
| ● 1206C224JAT2A | 0.22 µF | ±5% | 96M1510 | 0.40 |
| ● 1206C224KAT2A | 0.22 µF | ±10% | 96K4789 | 0.03 |
| ● 1206C334KAT2A | 0.33 µF | ±10% | 96M1512 | --- |
| ● 1206C474KAT2A | 0.47 µF | ±10% | 96M1514 | 0.13 |
| ● 1206C105KAT2A | 1 µF | ±10% | 10R6014 | 0.10 |
| 1206 [3216 Metric], X7R, 100 V | | | | |
| ● 1206C104JAT2A | 0.1 µF | ±5% | 96M1466 | 0.36 |
| ● 1206C104KAT2A | 0.1 µF | ±10% | 96K4785 | 0.26 |
| ● 1206C104K4T2A | 0.1 µF | ±10% | 55J8846 | 0.42 |
| ● 1206C104MAT2A | 0.1 µF | ±20% | 96M1467 | --- |
| ● 1206C1334KAT2A | 0.33 µF | ±10% | 96M1477 | 0.41 |
| 1206 [3216 Metric], Y5V, 10 V | | | | |
| ● 1206G106ZAT2A | 10 µF | +80%,-20% | 84K8405 | 0.12 |
| 1206 [3216 Metric], Y5V, 25 V | | | | |
| ● 1206C105ZAT2A | 1 µF | +80%,-20% | 94W2952 | --- |
| 1206 [3216 Metric], Z5U, 25 V | | | | |
| ● 1206E104MAT2A | 0.1 µF | ±20% | 34C6821 | 0.36 |
| 1206 [3216 Metric], Z5U, 50 V | | | | |
| ● 1206E104MAT2A | 0.1 µF | ±20% | 34C6825 | 0.03 |
| 1210 [3225 Metric], X5R, 6.3 V | | | | |
| ● 1210D226KAT2A | 22 µF | ±10% | 84K8418 | --- |
| ● 1210D476KAT2A | 47 µF | ±10% | 05M6454 | --- |
| ● 1210D107KAT2A | 100 µF | ±10% | 96M1549 | --- |
| ● 1210D107MAT2A | 100 µF | ±20% | 96M1550 | 0.44 |
| 1210 [3225 Metric], X5R, 10 V | | | | |
| ● 1210D226KAT2A | 22 µF | ±10% | 84K8415 | --- |
| 1210 [3225 Metric], X5R, 16 V | | | | |
| ● 1210YD226KAT2A | 22 µF | ±10% | 84K8411 | 0.56 |
| 1210 [3225 Metric], X5R, 25 V | | | | |
| ● 12103D475KAT2A | 4.7 µF | ±10% | 84K8417 | --- |
| ● 12103D106KAT2A | 10 µF | ±10% | 10R6036 | --- |
| ● 12103D226MAT2A | 22 µF | ±20% | 96M1536 | --- |
| 1210 [3225 Metric], X7R, 10 V | | | | |
| ● 1210ZC106KAT2A | 10 µF | ±10% | 84K8413 | --- |
| ● 1210ZC226KAT2A | 22 µF | ±10% | 94W2964 | --- |
| 1210 [3225 Metric], X7R, 16 V | | | | |
| ● 1210YC475KAT2A | 4.7 µF | ±10% | 84K8410 | --- |
| ● 1210YC226MAT2A | 22 µF | ±20% | 96M1523 | --- |
| 1210 [3225 Metric], X7R, 25 V | | | | |
| ● 12103C105KAT2A | 1 µF | ±10% | 96M1534 | --- |
| ● 12103C225KAT2A | 2.2 µF | ±10% | 96M1535 | --- |
| 1210 [3225 Metric], X7R, 50 V | | | | |
| ● 1210C224KAT2A | 0.22 µF | ±10% | 96M1540 | --- |
| ● 1210C334KAT2A | 0.33 µF | ±10% | 96M1543 | 0.09 |
| ● 1210C474KAT2A | 0.47 µF | ±10% | 96M1546 | 0.05 |
| ● 1210C105KAT2A | 1 µF | ±10% | 96M1538 | 0.14 |
| ● 1210C225KAT2A | 2.2 µF | ±10% | 96M1542 | 1.93 |
| ● 1210C475KAT2A | 4.7 µF | ±10% | 96M1548 | --- |
| 1210 [3225 Metric], X7R, 100 V | | | | |
| ● 1210C104KAT2A | 0.1 µF | ±10% | 96M1525 | --- |
| ● 1210C224KAT2A | 0.22 µF | ±10% | 96M1528 | 0.02 |
| ● 1210C104JAT2A | 0.47 µF | ±10% | 96M1529 | 0.18 |
| ● 1210C104K4T2A | 0.68 µF | ±10% | 96M1530 | --- |
| ● 1210C105KAT2A | 1 µF | ±10% | 96M1527 | 0.69 |
| ● 1210C105MAT2A | 1 µF | ±20% | 64K0192 | --- |

► CONTINUED ►

MULTILAYER CERAMIC CAPACITORS - 100,000pF AND ABOVE (CONT.)

| Mfg. Part No. | Cap. | Tol. | Stock No. | Tape Cut |
|--|---|---|-----------|-------------|
| | | | | 1-24+ |
| 1210 [3225 Metric], X7R, 200 V | | | | |
| ● 1210C104KAT2A | 0.1 µF | ±10% | 96M1532 | 0.10 |
| ● 1210 [3225 Metric], Y5V, 16 V | 10 µF | +80%,-20% | 84K8412 | --- |
| ● 1210YG106ZAT2A | 10 µF | +80%,-20% | 84K8412 | --- |
| 1812 [4532 Metric], X5R, 10 V | | | | |
| ● 1812D226KAT2A | 22 µF | ±10% | 96M1564 | --- |
| 1812 [4532 Metric], X5R, 25 V | | | | |
| ● 1812C106KAT2A | 10 µF | ±10% | 84K8421 | --- |
| 1812 [4532 Metric], X7R, 50 V | | | | |
| ● 1812C334KAT2A | 0.33 µF | ±10% | 96M1573 | --- |
| ● 1812C684KAT2A | 0.68 µF | ±10% | 96M1575 | --- |
| ● 1812C105KAT2A | 1 µF | ±10% | 96K4791 | 1.15 |
| ● 1812C225KAT2A | 2.2 µF | ±10% | 96M1572 | --- |
| 1812 [4532 Metric], X7R, 100 V | | | | |
| ● 1812C104KAT2A | 0.1 µF | ±10% | 94W2968 | --- |
| ● 1812C105KAT2A | 1 µF | ±10% | 96M1565 | 0.95 |
| ● 1812C104KAT2A | 0.1 µF | ±10% | 96M1569 | --- |
| PIM_175944 | | | | |
| MULTILAYER CERAMIC CAPACITORS - 100,000 pF AND ABOVE | | | | |
| SMD |  | KEMET Electronic Components CHARGED: | | |
|  | | | | |
| Mfg. Part No. | Cap. | Tol. | Stock No. | Tape & Reel |
| | | | | 1-3999+ |
| 0402 [1005 Metric], X5R, 4 V | | | | |
| ● C0402C335M7PACTU | 3.3 µF | ±20% | 14N2170 | --- |
| 0402 [1005 Metric], X5R, 6.3 V | | | | |
| ● C0402C224K9PACTU | 0.22 µF | ±10% | 14N2169 | 0.01 |
| ● C0402C105K9PACTU | 1 µF | ±10% | 70K9079 | 0.01 |
| 0402 [1005 Metric], X5R, 10 V | | | | |
| ● C0402C104K8PACTU | 0.1 µF | ±10% | 78H4791 | 0.13 |
| 0402 [1005 Metric], X7R, 10 V | | | | |
| ● C0402C104K8RACTU | 0.1 µF | ±10% | 14N2167 | 0.01 |
| 0402 [1005 Metric], Y5V, 16 V | | | | |
| ● C0402C104Z4VACTU | 0.1 µF | +80%,-20% | 70K9078 | --- |
| 0603 [1608 Metric], COG / NP0, 50 V | | | | |
| ● C0603C681J5GACTU | 680 pF | ±5% | 77R3562 | --- |
| 0603 [1608 Metric], X5R, 6.3 V | | | | |
| ● C0603C335M9PACTU | 3.3 µF | ±20% | 14N2174 | --- |
| ● C0603C475K9PACTU | 4.7 µF | ±10% | 70K9096 | 0.02 |
| 0603 [1608 Metric], X5R, 10 V | | | | |
| ● C0603C105K8PACTU | 1 µF | ±10% | 70K9090 | 0.01 |
| ● C0603C225K8PACTU | 2.2 µF | ±10% | 70K9095 | --- |
| ● C0603C475K8PACTU | 4.7 µF | ±10% | 14N2177 | 1.26 |
| 0603 [1608 Metric], X5R, 16 V | | | | |
| ● C0603C105K4PACTU | 1 µF | ±10% | 70K9089 | 0.16 |
| 0603 [1608 Metric], X7R, 10 V | | | | |
| ● C0603C104K8RACTU | 0.1 µF | ±10% | 62H0320 | 0.02 |
| 0603 [1608 Metric], X7R, 16 V | | | | |
| ● C0603C104J4RACTU | 0.1 µF | ±5% | 64K2836 | 0.21 |
| ● C0603C104M4RACTU | 0.1 µF | ±20% | 64K2839 | 0.00 |
| ● C0603C224K4RACTU | 0.22 µF | ±10% | 14N2173 | 0.05 |
| 0603 [1608 Metric], X7R, 25 V | | | | |
| ● C0603C104J3RACTU | 0.1 µF | ±5% | 01J3308 | 0.66 |
| ● C0603C104K3RACTU | 0.1 µF | ±10% | 64K2837 | 0.02 |
| 0603 [1608 Metric], Y5V, 25 V | | | | |
| ● C0603C104M3VACTU | 0.1 µF | ±20% | 64K2838 | --- |
| 0805 [2012 Metric], X5R, 6.3 V | | | | |
| ● C0805C226M9PACTU | 22 µF | ±20% | 70K9142 | 0.35 |
| 0805 [2012 Metric], X5R, 16 V | | | | |
| ● C0805C475K4PACTU | 4.7 µF | ±10% | 70K9143 | 0.79 |
| 0805 [2012 Metric], X5R, 25 V | | | | |
| ● C0805C105K3PACTU | 1 µF | ±10% | 70K9136 | 0.09 |

► CONTINUED ►

CAPACITORS

CERAMIC CAPACITORS

MULTILAYER CERAMIC CAPACITORS - 100,000 pF AND ABOVE (CONT.)

| Mfg. Part No. | Cap. | Tol. | Stock No. | Tape & Reel |
|---|----------|-----------|-----------|-------------|
| | | | | 1-3999+ |
| 0805 [2012 Metric], X7R, 16 V | | | | |
| ● C0805C474K4RACTU | 0.47 µF | ±10% | 14N2181 | 0.07 |
| ● C0805C105K4RACTU | 1 µF | ±10% | 77C5351 | 0.27 |
| ● C0805C105M4RACTU | 1 µF | ±20% | 42H5473 | --- |
| 0805 [2012 Metric], X7R, 25 V | | | | |
| ● C0805C474K3RACTU | 0.47 µF | ±10% | 64K2940 | 0.04 |
| 0805 [2012 Metric], X7R, 50 V | | | | |
| ● C0805C222K5RACTU | 2200 pF | ±10% | 19C6019 | 0.01 |
| ● C0805C683K5RACTU | 0.068 µF | ±10% | 77R3566 | --- |
| ● C0805C104J5RACTU | 0.1 µF | ±5% | 64K2889 | 0.30 |
| ● C0805C104K5RACTU | 0.1 µF | ±10% | 19C6015 | 0.02 |
| ● C0805C224K5RACTU | 0.22 µF | ±10% | 70K9140 | 0.42 |
| ● C0805C474K5RACTU | 0.47 µF | ±10% | 93K6002 | 0.39 |
| 0805 [2012 Metric], X7R, 100 V | | | | |
| ● C0805C104K1RACTU | 0.1 µF | ±10% | 70K9135 | 0.49 |
| 0805 [2012 Metric], Y5V, 16 V | | | | |
| ● C0805C155Z4VACTU | 1.5 µF | +80%,-20% | 64K2907 | --- |
| 0805 [2012 Metric], Y5V, 25 V | | | | |
| ● C0805C105Z3VACTU | 1 µF | +80%,-20% | 64K2896 | --- |
| 0805 [2012 Metric], Y5V, 50 V | | | | |
| ● C0805C104Z5VACTU | 0.1 µF | +80%,-20% | 64K2893 | 0.16 |
| 0805 [2012 Metric], Z5U, 50 V | | | | |
| ● C0805C104Z5UACTU | 0.1 µF | +80%,-20% | 64K2892 | 0.01 |
| 1206 [3216 Metric], C0G / NP0, 25 V | | | | |
| ● C1206C104J3GACTU | 0.1 µF | ±5% | 94M5668 | 0.72 |
| 1206 [3216 Metric], X5R, 6.3 V | | | | |
| ● C1206C226K9PACTU | 22 µF | ±10% | 70K9176 | 0.26 |
| 1206 [3216 Metric], X5R, 10 V | | | | |
| ● C1206C226M8PACTU | 22 µF | ±20% | 94M5671 | --- |
| ● C1206C476M8PACTU | 47 µF | ±20% | 94M5674 | --- |
| 1206 [3216 Metric], X5R, 16 V | | | | |
| ● C1206C335K4PACTU | 3.3 µF | ±10% | 70K9323 | 0.09 |
| ● C1206C475K4PACTU | 4.7 µF | ±10% | 24C9332 | --- |
| 1206 [3216 Metric], X5R, 25 V | | | | |
| ● C1206C105K3PACTU | 1 µF | ±10% | 70K9168 | 1.03 |
| ● C1206C225K3PACTU | 2.2 µF | ±10% | 70K9174 | --- |
| ● C1206C475K3PACTU | 4.7 µF | ±10% | 70K9177 | 1.03 |
| 1206 [3216 Metric], X7R, 16 V | | | | |
| ● C1206C475K4RACTU | 4.7 µF | ±10% | 70K9178 | --- |
| 1206 [3216 Metric], X7R, 25 V | | | | |
| ● C1206C224K3RACTU | 0.22 µF | ±10% | 70K9308 | --- |
| ● C1206C334K3RACTU | 0.33 µF | ±10% | 70K9321 | 0.04 |
| ● C1206C105K3RACTU | 1 µF | ±10% | 03M7475 | 0.28 |
| 1206 [3216 Metric], X7R, 50 V | | | | |
| ● C1206C104J5RACTU | 0.1 µF | ±5% | 70K9281 | 0.03 |
| ● C1206C104K5RACTU | 0.1 µF | ±10% | 70K9167 | 0.12 |
| ● C1206C224K5RACTU | 0.22 µF | ±10% | 70K9309 | 0.28 |
| ● C1206C334K5RACTU | 0.33 µF | ±10% | 15R3385 | 0.84 |
| ● C1206C105K5RACTU | 1 µF | ±10% | 93K6006 | 0.30 |
| 1206 [3216 Metric], X7R, 100 V | | | | |
| ● C1206C104K1RACTU | 0.1 µF | ±10% | 85C2205 | 0.29 |
| 1206 [3216 Metric], Y5V, 10 V | | | | |
| ● C1206C106Z8VACTU | 10 µF | +80%,-20% | 70K9285 | 0.29 |
| 1206 [3216 Metric], Y5V, 16 V | | | | |
| ● C1206C475Z4VACTU | 4.7 µF | +80%,-20% | 70K9329 | 0.92 |
| 1206 [3216 Metric], Y5V, 25 V | | | | |
| ● C1206C105Z3VACTU | 1 µF | +80%,-20% | 70K9284 | 0.14 |
| 1206 [3216 Metric], Z5U, 50 V | | | | |
| ● C1206C104M5UACTU | 0.1 µF | ±20% | 70K9282 | 0.16 |
| 1210 [3225 Metric], C0G / NP0, 100 V | | | | |
| ● C1210C104J1GACTU | 0.1 µF | ±5% | 94M5700 | 1.16 |
| 1210 [3225 Metric], X5R, 6.3 V | | | | |
| ● C1210C476M9PACTU | 47 µF | ±20% | 70K9196 | --- |
| 1210 [3225 Metric], X5R, 16 V | | | | |
| ● C1210C106K4PACTU | 10 µF | ±10% | 14N2185 | 0.46 |
| ● C1210C106M4PACTU | 10 µF | ±20% | 14N2186 | --- |
| ● C1210C226K4PACTU | 22 µF | ±10% | 70K9193 | 1.43 |
| 1210 [3225 Metric], X5R, 35 V | | | | |
| ● C1210C106M6PACTU | 10 µF | ±20% | 14N2187 | 1.33 |
| 1210 [3225 Metric], X5R, 50 V | | | | |
| ● C1210C105K5PACTU | 1 µF | ±10% | 70K9186 | 0.23 |

► CONTINUED ►

● Indicates RoHS Compliant

Find Datasheets Online

MULTILAYER CERAMIC CAPACITORS - 100,000 pF AND ABOVE (CONT.)

| Mfg. Part No. | Cap. | Tol. | Stock No. | Tape & Reel |
|---------------------------------------|---------|------|-----------|-------------|
| | | | | 1-3999+ |
| 1210 [3225 Metric], X7R, 10 V | | | | |
| ● C1210C226K8RACTU | 22 µF | ±10% | 14N2190 | --- |
| ● C1210C226M8RACTU | 22 µF | ±20% | 14N2191 | --- |
| 1210 [3225 Metric], X7R, 25 V | | | | |
| ● C1210C225K3RACTU | 2.2 µF | ±10% | 70K9192 | 0.70 |
| ● C1210C475K3RACTU | 4.7 µF | ±10% | 93K6013 | --- |
| 1210 [3225 Metric], X7R, 50 V | | | | |
| ● C1210C104K6RACTU | 0.1 µF | ±10% | 01J3318 | 0.41 |
| ● C1210C224K6RACTU | 0.22 µF | ±10% | 64K2957 | 0.03 |
| ● C1210C105K6RACTU | 1 µF | ±10% | 70K9187 | 0.07 |
| ● C1210C335K6RACTU | 3.3 µF | ±10% | 88K0231 | 1.44 |
| 1210 [3225 Metric], X7R, 100 V | | | | |
| ● C1210C225K1RACTU | 2.2 µF | ±10% | 14N2189 | 1.24 |
| 1210 [3225 Metric], X7R, 200 V | | | | |
| ● C1210C104K2RACTU | 0.1 µF | ±10% | 70K9184 | 0.11 |
| 1812 [4532 Metric], X7R, 50 V | | | | |
| ● C1812C105K5RACTU | 1 µF | ±10% | 19C6081 | 0.45 |
| 1812 [4532 Metric], X7R, 100 V | | | | |
| ● C1812C104K1RACTU | 0.1 µF | ±10% | 70K9208 | 1.18 |
| 1812 [4532 Metric], X7R, 200 V | | | | |
| ● C1812C104K2RACTU | 0.1 µF | ±10% | 70K9209 | 1.21 |
| 1825 [4564 Metric], X7R, 50 V | | | | |
| ● C1825C105K5RACTU | 1 µF | ±10% | 70K9218 | 0.61 |
| ● C1825C225K5RACTU | 2.2 µF | ±10% | 70K9219 | --- |
| 2220 [5650 Metric], X7R, 50 V | | | | |
| ● C2220C105K5RACTU | 1 µF | ±10% | 70K9221 | --- |
| ● C2220C225K5RACTU | 2.2 µF | ±10% | 70K9222 | --- |

PIM_175942

TAIYO YUDEN

Features:

- Low equivalent series resistance (ESR)
- Low equivalent series inductor (ESL)
- Effect of noise removal in the high frequency
- Decreased ripple voltage

SMD



| Mfg. Part No. | Cap. | Tol. | Stock No. | Tape Cut |
|---------------------------------------|--------|------|-----------|----------|
| | | | | 1-24+ |
| 0204 [0510 Metric], X5R, 6.3 V | | | | |
| ● JWK105BJ105MP-F | 1 µF | ±20% | 79T5776 | 0.36 |
| 0306 [0816 Metric], X5R, 6.3 V | | | | |
| ● JWK107BJ475MV-T | 4.7 µF | ±20% | 79T5777 | --- |
| 0306 [0816 Metric], X5R, 10 V | | | | |
| ● LWK107BJ225MV-T | 2.2 µF | ±20% | 79T5780 | --- |
| 0508 [1220 Metric], X5R, 6.3 V | | | | |
| ● JWK212BJ226MD-T | 22 µF | ±20% | 79T5778 | 0.53 |
| 0508 [1220 Metric], X5R, 10 V | | | | |
| ● LWK212BJ475KD-T | 4.7 µF | ±10% | 79T5782 | --- |
| ● LWK212BJ106MD-T | 10 µF | ±20% | 79T5781 | 0.08 |
| 0508 [1220 Metric], X6S, 4 V | | | | |
| ● AWK212C6226MD-T | 22 µF | ±20% | 79T5775 | --- |
| 0508 [1220 Metric], X6S, 6.3 V | | | | |
| ● JWK212C6106MD-T | 10 µF | ±20% | 79T5779 | --- |

PIM_546589

TPS SERIES SURFACE MOUNT TANTALUM CAPACITORS

- Low ESR
- Designed for Power Supply Applications
- Tolerance: ±10%

TPS series surface mount tantalum capacitors have inherently low ESR and are capable of higher ripple current handling, producing lower ripple voltages, less power and heat dissipation for efficient use of circuit power. Designed for typical power supply applications. Max DF: 6%. Tolerance: ±10% except type TPSB106M020R1000, ±20%.



RoHS Compliant Available

SMD

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|--------------------|-------|------|----------|-----------|-----------|----------|
| | | | | | | 1-9+ |
| 4 V | | | | | | |
| ● TPSA476K004R0500 | 47µF | ±10% | 0.5ohm | A | 75M9218 | 0.15 |
| ● TPSD477K004R0045 | 470µF | ±10% | 0.045ohm | D | 64M4890 | --- |
| 6.3 V | | | | | | |
| ● TPSA106K006R1500 | 10µF | ±10% | 1.5ohm | A | 84K8346 | 0.13 |
| ● TPSR106K006R1000 | 10µF | ±10% | 1ohm | R | 64M4897 | --- |

► CONTINUED ►

TANTALUM CAPACITORS

TPS SERIES SURFACE MOUNT TANTALUM CAPACITORS (CONT.)

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|------------------|-------|------|----------|-----------|-----------|----------|
| | | | | | | 1-9+ |
| 6.3 V | | | | | | |
| TPSA226K006R0500 | 22μF | ±10% | 0.50hm | A | 75M9217 | 0.98 |
| TPSA476K006R0800 | 47μF | ±10% | 0.80hm | A | 75M2901 | 0.65 |
| TPSC107K006R0075 | 100μF | ±10% | 0.075ohm | C | 75M2922 | --- |
| TPSC107K006R0150 | 100μF | ±10% | 0.15ohm | C | 36K3658 | --- |
| TPSC227K006R0070 | 220μF | ±10% | 0.07ohm | C | 75M2929 | --- |
| 10 V | | | | | | |
| TPSA106K010R1800 | 10μF | ±10% | 1.80hm | A | 36K3655 | 0.59 |
| TPST106K010R1000 | 10μF | ±10% | 1ohm | T | 96M1071 | --- |
| TPSB226M010R0700 | 22μF | ±20% | 0.70hm | B | 36K3657 | --- |
| TPSC336K010R0375 | 33μF | ±10% | 0.375ohm | C | 19C6260 | --- |
| TPSC476K010R0350 | 47μF | ±10% | 0.35ohm | C | 35K1291 | --- |
| TPSB476K010R0350 | 47μF | ±10% | 0.35ohm | B | 64M4882 | 0.17 |
| TPSB476K010R0650 | 47μF | ±10% | 0.65ohm | B | 35K1284 | 0.64 |
| TPSC107K010R0075 | 100μF | ±10% | 0.075ohm | C | 84K8358 | 0.98 |
| TPSC107K010R0100 | 100μF | ±10% | 0.1ohm | C | 36K2067 | 0.88 |
| TPSD107K010R0100 | 100μF | ±10% | 0.1ohm | D | 36K3659 | 1.20 |
| TPSB107M010R0400 | 100μF | ±20% | 0.40hm | B | 10R5878 | --- |
| TPSD157K010R0050 | 150μF | ±10% | 0.05ohm | D | 89M5401 | --- |
| TPSD157K010R0085 | 150μF | ±10% | 0.085ohm | D | 75M9220 | --- |
| TPSD157K010R0100 | 150μF | ±10% | 0.1ohm | D | 04M4620 | --- |
| TPSD157M010R0050 | 150μF | ±20% | 0.05ohm | D | 75M2949 | 0.40 |
| TPSD227K010R0150 | 220μF | ±10% | 0.15ohm | D | 35K1293 | 1.16 |
| TPSD227M010R0100 | 220μF | ±20% | 0.1ohm | D | 35K1294 | --- |
| TPSD337K010R0050 | 330μF | ±10% | 0.05ohm | D | 75M2963 | --- |
| 16 V | | | | | | |
| TPSB475K016R1500 | 4.7μF | ±10% | 1.50hm | B | 75M2912 | 0.20 |
| TPSB106K016R0500 | 10μF | ±10% | 0.50hm | B | 10R5877 | 0.62 |
| TPSC226K016R0375 | 22μF | ±10% | 0.375ohm | C | 35K1290 | --- |
| TPSD476K016R0080 | 47μF | ±10% | 0.080hm | D | 75M2967 | --- |
| TPSD476K016R0150 | 47μF | ±10% | 0.15ohm | D | 19C6266 | --- |
| TPSC476K016R0350 | 47μF | ±10% | 0.35ohm | C | 35K1292 | --- |
| TPSD107K016R0125 | 100μF | ±10% | 0.125ohm | D | 33C4389 | 1.07 |
| TPSE107K016R0125 | 100μF | ±10% | 0.125ohm | E | 35K1295 | --- |
| TPSE227K016R0100 | 220μF | ±10% | 0.1ohm | E | 35K5008 | --- |
| 20 V | | | | | | |
| TPSB475K020R1000 | 4.7μF | ±10% | 1ohm | B | 75M2913 | 0.28 |
| TPSB106K020R1000 | 10μF | ±10% | 1ohm | B | 84K8353 | 0.65 |
| TPSB226K020R400 | 22μF | ±10% | 0.40hm | B | 75M2910 | 1.18 |
| TPSC336K020R0300 | 33μF | ±10% | 0.30hm | C | 96M1068 | --- |
| TPSV107M020R0085 | 100μF | ±20% | 0.085ohm | V | 96M1072 | --- |
| 25 V | | | | | | |
| TPSA155K025R3000 | 1.5μF | ±10% | 3ohm | A | 35K1282 | 0.14 |
| TPSB475K025R1500 | 4.7μF | ±10% | 1.50hm | B | 10R5879 | 0.49 |
| TPSC106K025R0500 | 10μF | ±10% | 0.50hm | C | 35K1285 | 1.01 |
| TPSC226K025R0275 | 22μF | ±10% | 0.275ohm | C | 96M1067 | --- |
| TPSD226K025R0200 | 22μF | ±10% | 0.2ohm | D | 35K4998 | 1.56 |
| TPSD336K025R0300 | 33μF | ±10% | 0.30hm | D | 75M2960 | --- |
| TPSE476M025R0100 | 47μF | ±20% | 0.1ohm | E | 96M1070 | --- |
| 35 V | | | | | | |
| TPSA225K035R1500 | 2.2μF | ±10% | 1.50hm | A | 75M2897 | 0.82 |
| TPSB475K035R0700 | 4.7μF | ±10% | 0.70hm | B | 75M2915 | 0.97 |
| TPSC156K035R0350 | 15μF | ±10% | 0.35ohm | C | 75M2926 | 1.68 |
| TPSD156K035R0300 | 15μF | ±10% | 0.30hm | D | 36K3660 | --- |
| TPSC156K035R0450 | 15μF | ±10% | 0.45ohm | C | 10R5881 | --- |
| TPSD226K035R0200 | 22μF | ±10% | 0.2ohm | D | 75M2953 | --- |
| TPSE336K035R0100 | 33μF | ±10% | 0.1ohm | E | 22J0231 | --- |
| TPSD336K035R0200 | 33μF | ±10% | 0.20hm | D | 64M4889 | --- |
| TPSE476K035R0250 | 47μF | ±10% | 0.25ohm | E | 84K8382 | --- |
| 50 V | | | | | | |
| TPSD225K050R1200 | 2.2μF | ±10% | 1.2ohm | D | 64M4887 | --- |

PIM_65295

TAJ SERIES SOLID TANTALUM CHIP CAPACITORS



RoHS
Compliant
Available

• Applications Include Telecom, Automotive and

Computers

► CONTINUED ►

TAJ SERIES SOLID TANTALUM CHIP CAPACITORS (CONT.)

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|----------------|--------|------|--------|-----------|-----------|----------|
| | | | | | | 1-9+ |
| 2.5 V | | | | | | |
| TAJR685K002RNJ | 6.8μF | ±10% | 20ohm | R | 73R9167 | 0.20 |
| 4 V | | | | | | |
| TAJA476K004RNJ | 47μF | ±10% | 2.6ohm | A | 60R5861 | --- |
| TAJB107K004RNJ | 100μF | ±10% | 0.9ohm | B | 60R5876 | --- |
| TAJC337K004RNJ | 330μF | ±10% | 0.9ohm | C | 97M6424 | 0.96 |
| TAJD477K004RNJ | 470μF | ±10% | 0.9ohm | D | 64M4852 | --- |
| 6.3 V | | | | | | |
| TAJB106K006RNJ | 10μF | ±10% | 3ohm | B | 60R5869 | 0.15 |
| TAJA106K006RNJ | 10μF | ±10% | 4ohm | A | 60R5825 | 0.41 |
| TAJA106M006RNJ | 10μF | ±20% | 4ohm | A | 60R5828 | 0.18 |
| TAJR106M006RNJ | 10μF | ±20% | 6ohm | R | 60R6055 | --- |
| TAJB336K006RNJ | 33μF | ±10% | 2.5ohm | B | 73R8233 | 0.08 |
| TAJA476K006RNJ | 47μF | ±10% | 1.6ohm | A | 60R5862 | 0.41 |
| TAJB476K006RNJ | 47μF | ±10% | 2ohm | B | 60R5916 | 0.45 |
| TAJY337K006RNJ | 330μF | ±10% | 0.4ohm | Y | 53R1776 | --- |
| 10 V | | | | | | |
| TAJA225K010RNJ | 2.2μF | ±10% | 7ohm | A | 60R5836 | 0.05 |
| TAJA475K010RNJ | 4.7μF | ±10% | 5ohm | A | 60R5856 | 0.08 |
| TAJB106K010RNJ | 10μF | ±10% | 2.5ohm | B | 60R5870 | 0.42 |
| TAJA106K010RNJ | 10μF | ±10% | 3ohm | A | 60R5826 | 0.38 |
| TAJA226K010RNJ | 22μF | ±10% | 3ohm | A | 25R1125 | 0.41 |
| TAJA336K010RNJ | 33μF | ±10% | 1.7ohm | A | 73R8215 | 0.18 |
| TAJB686K010RNJ | 68μF | ±10% | 1.8ohm | B | 60R5903 | 0.59 |
| TAJB686K010RNJ | 68μF | ±10% | 1.4ohm | B | 60R5921 | 0.80 |
| TAJD107K010RNJ | 100μF | ±10% | 0.9ohm | D | 60R5977 | --- |
| 16 V | | | | | | |
| TAJA105K016RNJ | 1μF | ±10% | 11ohm | A | 60R5817 | 0.31 |
| TAJA225K016RNJ | 2.2μF | ±10% | 6.5ohm | A | 60R5837 | 0.09 |
| TAJB475K016RNJ | 4.7μF | ±10% | 3.5ohm | B | 60R5907 | 0.22 |
| TAJB685K016RNJ | 6.8μF | ±10% | 2.5ohm | B | 73R8266 | 0.19 |
| TAJC106K016RNJ | 10μF | ±10% | 2ohm | C | 60R5925 | 0.63 |
| TAJB226K016RNJ | 22μF | ±10% | 2.3ohm | B | 60R5892 | 0.37 |
| TAJC476K016RNJ | 47μF | ±10% | 0.5ohm | C | 60R5961 | 0.55 |
| TAJD476K016RNJ | 47μF | ±10% | 0.9ohm | D | 60R6010 | --- |
| TAJY107K016RNJ | 100μF | ±10% | 0.9ohm | Y | 10R5865 | --- |
| 20 V | | | | | | |
| TAJB225K020RNJ | 2.2μF | ±10% | 3.5ohm | B | 60R5883 | 0.14 |
| TAJC475K020RNJ | 4.7μF | ±10% | 2.8ohm | C | 10R5844 | --- |
| TAJA685K020RNJ | 6.8μF | ±10% | 2.4ohm | A | 60R5865 | 0.18 |
| TAJB106K020RNJ | 10μF | ±10% | 2.1ohm | B | 60R5871 | 0.60 |
| TAJB226K020RNJ | 22μF | ±10% | 1.8ohm | B | 60R5893 | 0.59 |
| TAJE157K020RNJ | 150μF | ±10% | 0.3ohm | E | 60R6032 | --- |
| 25 V | | | | | | |
| TAJA684K025RNJ | 0.68μF | ±10% | 10ohm | A | 73R8228 | 0.21 |
| TAJA105K025RNJ | 1μF | ±10% | 8ohm | A | 60R5819 | 0.79 |
| TAJB155K025RNJ | 1.5μF | ±10% | 5ohm | B | 10R5832 | --- |
| TAJA225K025RNJ | 2.2μF | ±10% | 7ohm | A | 60R5839 | 0.44 |
| TAJA475K025RNJ | 4.7μF | ±10% | 3.1ohm | A | 73R8222 | 0.10 |
| TAJC106K025RNJ | 10μF | ±10% | 1.8ohm | C | 60R5926 | 0.76 |
| TAJB106K025RNJ | 10μF | ±10% | 2.5ohm | B | 94V2826 | 0.65 |
| TAJC226K025RNJ | 22μF | ±10% | 1.4ohm | C | 60R5944 | 1.04 |
| 35 V | | | | | | |
| TAJA334K035RNJ | 0.33μF | ±10% | 15ohm | A | 60R5847 | 0.07 |
| TAJB105K035RNJ | 1μF | ±10% | 6.5ohm | B | 60R5866 | 0.84 |
| TAJA105K035RNJ | 1μF | ±10% | 7.5ohm | A | 60R5820 | 0.51 |
| TAJB225K035RNJ | 2.2μF | ±10% | 4.2ohm | B | 60R5885 | 0.84 |
| TAJC335K035RNJ | 3.3μF | ±10% | 2.5ohm | C | 60R5950 | --- |
| TAJB475K035RNJ | 4.7μF | ±10% | 3.1ohm | B | 60R5910 | 0.21 |
| TAJC106K035RNJ | 10μF | ±10% | 1.6ohm | C | 60R5927 | 0.94 |
| TAJD106K035RNJ | 10μF | ±10% | 1ohm | D | 60R5972 | 0.96 |
| TAJB226K035RNJ | 22μF | ±10% | 0.9ohm | D | 60R5991 | 2.26 |
| TAJD336K035RNJ | 33μF | ±10% | 0.9ohm | D | 34R9063 | 1.37 |
| 50 V | | | | | | |
| TAJC225K050RNJ | 2.2μF | ±10% | 2.5ohm | C | 64M4851 | --- |

PIM_65191

TANTALUM CAPACITORS

T491 SERIES - PRECISION MOLDED CHIP

Features

- Meets or Exceeds EIA Standard 535BAAC
- Taped and Reeled per EIA 481-1
- Laser-marked Case
- 100% Surge current test on C, D, E, U, V, X sizes
- Halogen Free Epoxy

Specifications

- Capacitance Range: 0.1 μ F to 1000 μ F
- Voltage Range: 2.5-50 VDC
- Operating Temperature: -55°C to +125°C
- Low Profile Case Sizes Available; go online or call.



Electronic Components
KEMET
CHARGED:
RoHS Compliant Available
SMD

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|------------------|-------------|------------|--------|-----------|-----------|----------|
| | | | | | | 1-9+ |
| 6 V | | | | | | |
| ● T491D477M006AT | 470 μ F | $\pm 20\%$ | 0.4ohm | D | 57K2032 | --- |
| 6.3 V | | | | | | |
| ● T491A475K006AT | 4.7 μ F | $\pm 10\%$ | 6ohm | A | 57K1702 | 0.51 |
| ● T491B106K006AT | 10 μ F | $\pm 10\%$ | 3.5ohm | B | 57K1737 | 0.13 |
| ● T491A106K006AT | 10 μ F | $\pm 10\%$ | 4ohm | A | 57K1634 | 0.42 |
| ● T491B226K006AT | 22 μ F | $\pm 10\%$ | 2.5ohm | B | 57K1779 | 0.07 |
| ● T491A226K006AT | 22 μ F | $\pm 10\%$ | 4ohm | A | 57K1670 | 0.13 |
| ● T491B476K006AT | 47 μ F | $\pm 10\%$ | 2ohm | B | 57K1818 | 0.06 |
| ● T491A476M006AT | 47 μ F | $\pm 20\%$ | 3.5ohm | A | 57K1713 | 0.69 |
| ● T491D686K006AT | 68 μ F | $\pm 10\%$ | 0.8ohm | D | 57K2040 | --- |
| ● T491C107K006AT | 100 μ F | $\pm 10\%$ | 0.9ohm | C | 57K1856 | --- |
| ● T491B107K006AT | 100 μ F | $\pm 10\%$ | 3ohm | B | 57K1748 | 0.44 |
| ● T491D227K006AT | 220 μ F | $\pm 10\%$ | 0.7ohm | D | 57K1993 | --- |
| 10 V | | | | | | |
| ● T491A225K010AT | 2.2 μ F | $\pm 10\%$ | 7ohm | A | 57K1662 | 0.35 |
| ● T491A335K010AT | 3.3 μ F | $\pm 10\%$ | 6ohm | A | 57K1681 | 0.13 |
| ● T491B475K010AT | 4.7 μ F | $\pm 10\%$ | 3.5ohm | B | 57K1808 | 0.11 |
| ● T491A475K010AT | 4.7 μ F | $\pm 10\%$ | 5ohm | A | 57K1703 | 0.61 |
| ● T491B685K010AT | 6.8 μ F | $\pm 10\%$ | 3.5ohm | B | 57K1828 | 0.15 |
| ● T491C106K010AT | 10 μ F | $\pm 10\%$ | 1.8ohm | C | 57K1845 | --- |
| ● T491B106K010AT | 10 μ F | $\pm 10\%$ | 3.5ohm | B | 57K1738 | 0.17 |
| ● T491A106K010AT | 10 μ F | $\pm 10\%$ | 4ohm | A | 57K1635 | 0.07 |
| ● T491C226K010AT | 22 μ F | $\pm 10\%$ | 1.8ohm | C | 57K1887 | 0.10 |
| ● T491B226K010AT | 22 μ F | $\pm 10\%$ | 2.4ohm | B | 57K1880 | 0.63 |
| ● T491A226K010AT | 22 μ F | $\pm 10\%$ | 3.2ohm | A | 57K1671 | --- |
| ● T491D336K010AT | 33 μ F | $\pm 10\%$ | 0.8ohm | D | 57K2002 | --- |
| ● T491C336K010AT | 33 μ F | $\pm 10\%$ | 1.6ohm | C | 57K1904 | --- |
| ● T491B336K010AT | 33 μ F | $\pm 10\%$ | 1.8ohm | B | 57K1800 | --- |
| ● T491D476K010AT | 47 μ F | $\pm 10\%$ | 0.8ohm | D | 57K2021 | 1.40 |
| ● T491C476K010AT | 47 μ F | $\pm 10\%$ | 1.2ohm | C | 57K1924 | --- |
| ● T491B476K010AT | 47 μ F | $\pm 10\%$ | 1ohm | B | 57K1819 | 0.68 |
| ● T491D686K010AT | 68 μ F | $\pm 10\%$ | 0.8ohm | D | 57K2041 | 1.04 |
| ● T491D107K010AT | 100 μ F | $\pm 10\%$ | 0.7ohm | D | 57K1956 | 1.27 |
| ● T491B107M010AT | 100 μ F | $\pm 20\%$ | 3ohm | B | 94W4775 | 0.47 |
| ● T491D227K010AT | 220 μ F | $\pm 10\%$ | 0.5ohm | D | 57K1994 | 1.41 |
| ● T491X227K010AT | 220 μ F | $\pm 10\%$ | 0.5ohm | X | 57K2217 | --- |
| ● T491D337K010AT | 330 μ F | $\pm 10\%$ | 0.5ohm | D | 57K2012 | --- |
| 16 V | | | | | | |
| ● T491A105K016AT | 1 μ F | $\pm 10\%$ | 10ohm | A | 57K1624 | 0.41 |
| ● T491A225K016AT | 2.2 μ F | $\pm 10\%$ | 6ohm | A | 57K1663 | 0.40 |
| ● T491B475K016AT | 4.7 μ F | $\pm 10\%$ | 3.5ohm | B | 57K1809 | 0.51 |
| ● T491A475K016AT | 4.7 μ F | $\pm 10\%$ | 4ohm | A | 57K1704 | 0.61 |
| ● T491A685K016AT | 6.8 μ F | $\pm 10\%$ | 3.5ohm | A | 57K1725 | 0.12 |
| ● T491C106K016AT | 10 μ F | $\pm 10\%$ | 1.8ohm | C | 57K1846 | --- |
| ● T491B106K016AT | 10 μ F | $\pm 10\%$ | 2.8ohm | B | 57K1739 | 0.53 |
| ● T491A106K016AT | 10 μ F | $\pm 10\%$ | 7ohm | A | 57K1636 | 0.41 |
| ● T491C156K016AT | 15 μ F | $\pm 10\%$ | 1.8ohm | C | 57K1867 | --- |
| ● T491D226K016AT | 22 μ F | $\pm 10\%$ | 0.8ohm | D | 57K1984 | 1.29 |
| ● T491C226K016AT | 22 μ F | $\pm 10\%$ | 1.5ohm | C | 57K1888 | --- |
| ● T491B226K016AT | 22 μ F | $\pm 10\%$ | 2.2ohm | B | 57K1781 | 1.03 |
| ● T491D336K016AT | 33 μ F | $\pm 10\%$ | 0.8ohm | D | 57K2003 | 0.20 |
| ● T491C336K016AT | 33 μ F | $\pm 10\%$ | 1.2ohm | C | 57K1905 | --- |
| ● T491B336K016AT | 33 μ F | $\pm 10\%$ | 2.1ohm | B | 94W4776 | --- |
| ● T491D476K016AT | 47 μ F | $\pm 10\%$ | 0.8ohm | D | 57K2022 | 0.16 |
| ● T491C476K016AT | 47 μ F | $\pm 10\%$ | 1.2ohm | C | 57K1925 | --- |
| ● T491C686K016AT | 68 μ F | $\pm 10\%$ | 1.2ohm | C | 94W4777 | 0.49 |
| ● T491D107K016AT | 100 μ F | $\pm 10\%$ | 0.7ohm | D | 57K1957 | --- |
| ● T491X107K016AT | 100 μ F | $\pm 10\%$ | 0.7ohm | X | 57K2200 | 2.23 |
| ● T491X157K016AT | 150 μ F | $\pm 10\%$ | 0.5ohm | X | 57K2211 | --- |
| ● T491D157K016AT | 150 μ F | $\pm 10\%$ | 0.7ohm | D | 57K1975 | --- |
| ● T491X227K016AT | 220 μ F | $\pm 10\%$ | 0.5ohm | X | 57K2218 | --- |
| ● T491E227K016AT | 220 μ F | $\pm 10\%$ | 0.9ohm | E | 94W4778 | --- |
| 16 V | | | | | | |
| ● T491A105K016AT | 1 μ F | $\pm 10\%$ | 10ohm | A | 57K1624 | 0.41 |
| ● T491A225K016AT | 2.2 μ F | $\pm 10\%$ | 6ohm | A | 57K1663 | 0.40 |
| ● T491B475K016AT | 4.7 μ F | $\pm 10\%$ | 3.5ohm | B | 57K1809 | 0.51 |
| ● T491A475K016AT | 4.7 μ F | $\pm 10\%$ | 4ohm | A | 57K1704 | 0.61 |
| ● T491A685K016AT | 6.8 μ F | $\pm 10\%$ | 3.5ohm | A | 57K1725 | 0.12 |
| ● T491C106K016AT | 10 μ F | $\pm 10\%$ | 1.8ohm | C | 57K1846 | --- |
| ● T491B106K016AT | 10 μ F | $\pm 10\%$ | 2.8ohm | B | 57K1739 | 0.53 |
| ● T491A106K016AT | 10 μ F | $\pm 10\%$ | 7ohm | A | 57K1636 | 0.41 |
| ● T491C156K016AT | 15 μ F | $\pm 10\%$ | 1.8ohm | C | 57K1867 | --- |
| ● T491D226K016AT | 22 μ F | $\pm 10\%$ | 0.8ohm | D | 57K1984 | 1.29 |
| ● T491C226K016AT | 22 μ F | $\pm 10\%$ | 1.5ohm | C | 57K1888 | --- |
| ● T491B226K016AT | 22 μ F | $\pm 10\%$ | 2.2ohm | B | 57K1781 | 1.03 |
| ● T491D336K016AT | 33 μ F | $\pm 10\%$ | 0.8ohm | D | 57K2003 | 0.20 |
| ● T491C336K016AT | 33 μ F | $\pm 10\%$ | 1.2ohm | C | 57K1905 | --- |
| ● T491B336K016AT | 33 μ F | $\pm 10\%$ | 2.1ohm | B | 94W4776 | --- |
| ● T491D476K016AT | 47 μ F | $\pm 10\%$ | 0.8ohm | D | 57K2022 | 0.16 |
| ● T491C476K016AT | 47 μ F | $\pm 10\%$ | 1.2ohm | C | 57K1925 | --- |
| ● T491C686K016AT | 68 μ F | $\pm 10\%$ | 1.2ohm | C | 94W4777 | 0.49 |
| ● T491D107K016AT | 100 μ F | $\pm 10\%$ | 0.7ohm | D | 57K1957 | --- |
| ● T491X107K016AT | 100 μ F | $\pm 10\%$ | 0.7ohm | X | 57K2200 | 2.23 |
| ● T491X157K016AT | 150 μ F | $\pm 10\%$ | 0.5ohm | X | 57K2211 | --- |
| ● T491D157K016AT | 150 μ F | $\pm 10\%$ | 0.7ohm | D | 57K1975 | --- |
| ● T491X227K016AT | 220 μ F | $\pm 10\%$ | 0.5ohm | X | 57K2218 | --- |
| ● T491E227K016AT | 220 μ F | $\pm 10\%$ | 0.9ohm | E | 94W4778 | --- |
| 16 V | | | | | | |
| ● T491A105K016AT | 1 μ F | $\pm 10\%$ | 10ohm | A | 57K1624 | 0.41 |
| ● T491A225K016AT | 2.2 μ F | $\pm 10\%$ | 6ohm | A | 57K1663 | 0.40 |
| ● T491B475K016AT | 4.7 μ F | $\pm 10\%$ | 3.5ohm | B | 57K1809 | 0.51 |
| ● T491A475K016AT | 4.7 μ F | $\pm 10\%$ | 4ohm | A | 57K1704 | 0.61 |
| ● T491A685K016AT | 6.8 μ F | $\pm 10\%$ | 3.5ohm | A | 57K1725 | 0.12 |
| ● T491C106K016AT | 10 μ F | $\pm 10\%$ | 1.8ohm | C | 57K1846 | --- |
| ● T491B106K016AT | 10 μ F | $\pm 10\%$ | 2.8ohm | B | 57K1739 | 0.53 |
| ● T491A106K016AT | 10 μ F | $\pm 10\%$ | 7ohm | A | 57K1636 | 0.41 |
| ● T491C156K016AT | 15 μ F | $\pm 10\%$ | 1.8ohm | C | 57K1867 | --- |
| ● T491D226K016AT | 22 μ F | $\pm 10\%$ | 0.8ohm | D | 57K1984 | 1.29 |
| ● T491C226K016AT | 22 μ F | $\pm 10\%$ | 1.5ohm | C | 57K1888 | --- |
| ● T491B226K016AT | 22 μ F | $\pm 10\%$ | 2.2ohm | B | 57K1781 | 1.03 |
| ● T491D336K016AT | 33 μ F | $\pm 10\%$ | 0.8ohm | D | 57K2003 | 0.20 |
| ● T491C336K016AT | 33 μ F | $\pm 10\%$ | 1.2ohm | C | 57K1905 | --- |
| ● T491B336K016AT | 33 μ F | $\pm 10\%$ | 2.1ohm | B | 94W4776 | --- |
| ● T491D476K016AT | 47 μ F | $\pm 10\%$ | 0.8ohm | D | 57K2022 | 0.16 |
| ● T491C476K016AT | 47 μ F | $\pm 10\%$ | 1.2ohm | C | 57K1925 | --- |
| ● T491C686K016AT | 68 μ F | $\pm 10\%$ | 1.2ohm | C | 94W4777 | 0.49 |
| ● T491D107K016AT | 100 μ F | $\pm 10\%$ | 0.7ohm | D | 57K1957 | --- |
| ● T491X107K016AT | 100 μ F | $\pm 10\%$ | 0.7ohm | X | 57K2200 | 2.23 |
| ● T491X157K016AT | 150 μ F | $\pm 10\%$ | 0.5ohm | X | 57K2211 | --- |
| ● T491D157K016AT | 150 μ F | $\pm 10\%$ | 0.7ohm | D | 57K1975 | --- |
| ● T491X227K016AT | 220 μ F | $\pm 10\%$ | 0.5ohm | X | 57K2218 | --- |
| ● T491E227K016AT | 220 μ F | $\pm 10\%$ | 0.9ohm | E | 94W4778 | --- |
| 16 V | | | | | | |
| ● T491A105K016AT | 1 μ F | $\pm 10\%$ | 10ohm | A | 57K1624 | 0.41 |
| ● T491A225K016AT | 2.2 μ F | $\pm 10\%$ | 6ohm | A | 57K1663 | 0.40 |
| ● T491B475K016AT | 4.7 μ F | $\pm 10\%$ | 3.5ohm | B | 57K1809 | 0.51 |
| ● T491A475K016AT | 4.7 μ F | $\pm 10\%$ | 4ohm | A | 57K1704 | 0.61 |
| ● T491A685K016AT | 6.8 μ F | $\pm 10\%$ | 3.5ohm | A | 57K1725 | 0.12 |
| ● T491C106K016AT | 10 μ F | $\pm 10\%$ | 1.8ohm | C | 57K1846 | --- |
| ● T491B106K016AT | 10 μ F | $\pm 10\%$ | 2.8ohm | B | 57K1739 | 0.53 |
| ● T491A106K016AT | 10 μ F | $\pm 10\%$ | 7ohm | A | 57K1636 | 0.41 |
| ● T491C156K016AT | 15 μ F | $\pm 10\%$ | 1.8ohm | C | 57K1867 | --- |
| ● T491D226K016AT | 22 μ F | $\pm 10\%$ | 0.8ohm | D | 57K1984 | 1.29 |
| ● T491C226K016AT | 22 μ F | $\pm 10\%$ | 1.5ohm | C | 57K1888 | --- |
| ● T491B226K016AT | 22 μ F | $\pm 10\%$ | 2.2ohm | B | 57K1781 | 1.03 |
| ● T491D336K016AT | 33 μ F | $\pm 10\%$ | 0.8ohm | D | 57K2003 | 0.20 |
| ● T491C336K0 | | | | | | |

TANTALUM CAPACITORS

T491 SERIES - PRECISION MOLDED CHIP (CONT.)

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|------------------|------|------|--------|-----------|-----------|----------|
| | | | | | | 1-9+ |
| 50 V | | | | | | |
| ● T491X106K050AT | 10μF | ±10% | 0.7ohm | X | 57K2198 | --- |
| ● T491D106K050AT | 10μF | ±10% | 0.8ohm | D | 57K1949 | 2.53 |
| ● T491X226K050AT | 22μF | ±10% | 0.6ohm | X | 94W4780 | --- |
| ● T491X226M050AT | 22μF | ±20% | 0.6ohm | X | 94W4781 | --- |

PIM_7387

T495 SERIES — LOW ESR, SURGE ROBUST

- Designed for very low ESR
- High ripple current capability
- High surge current capability
- 100% accelerated steady-state aging
- 100% Surge Current Test
- Meets or Exceeds EIA Standard 535BAAC
- Operating Temperature: -55°C to +125°C
- New Extended Values for Low ESR
- Low Equivalent Series Inductance (2.5nH ESL)
- Precision-molded, laser-marked case
- Taped and reeled per EIA 481-1

Electronic Components
KEMET
CHARGED:
RoHS Compliant Available



| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

► CONTINUED ►

T495 SERIES — LOW ESR, SURGE ROBUST (CONT.)

| Mfg. Part No. | Cap. | Tol. | ESR | Size Code | Stock No. | Tape Cut |
|---------------|------|------|-----|-----------|-----------|----------|
| | | | | | | 1-9+ |

35 V

| | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| ● T495D106K035ATE300 | 10μF | ±10% | 0.3ohm | D | 40K0856 | --- |

</

TANTALUM CAPACITORS

T520 SERIES LOW ESR CONDUCTIVE POLYMER CHIP CAPACITORS
(CONT.)

| Mfg. Part No. | Cap. | ESR | Size Code | Stock No. | Tape Cut |
|----------------------|-------|----------|-----------|-----------|----------|
| | | | | | 1-9+ |
| 6.3 V | | | | | |
| ● T520B686M006ATE070 | 68μF | 0.07ohm | B | 97H5625 | --- |
| ● T520V107M006ATE007 | 100μF | 0.007ohm | V | 94W4878 | 3.35 |
| ● T520V107M006ATE009 | 100μF | 0.009ohm | V | 94W4879 | --- |
| ● T520B107M006ATE015 | 100μF | 0.015ohm | B | 94W4839 | --- |
| ● T520B107M006ATE018 | 100μF | 0.018ohm | B | 94W4840 | 1.35 |
| ● T520C107M006ATE025 | 100μF | 0.025ohm | C | 94W4855 | --- |
| ● T520B107M006ATE045 | 100μF | 0.045ohm | B | 94W4841 | 0.24 |
| ● T520C107M006ATE045 | 100μF | 0.045ohm | C | 94W4856 | 0.56 |
| ● T520B107M006ATE040 | 100μF | 0.04ohm | B | 91H6452 | 0.31 |
| ● T520B107M006ATE070 | 100μF | 0.07ohm | B | 91H6453 | 0.28 |
| ● T520D157M006ATE007 | 150μF | 0.007ohm | D | 94W4863 | --- |
| ● T520D157M006ATE015 | 150μF | 0.015ohm | D | 87H4523 | --- |
| ● T520B157M006ATE025 | 150μF | 0.025ohm | B | 81R3800 | --- |
| ● T520B157M006ATE045 | 150μF | 0.045ohm | B | 43K4376 | --- |
| ● T520V157M006ATE045 | 150μF | 0.045ohm | V | 95H4664 | --- |
| ● T520V227M006ATE007 | 220μF | 0.007ohm | V | 94W4882 | --- |
| ● T520V227M006ATE012 | 220μF | 0.012ohm | V | 94W4883 | --- |
| ● T520C227M006ATE015 | 220μF | 0.015ohm | C | 94W4858 | --- |
| ● T520C227M006ATE018 | 220μF | 0.018ohm | C | 94W4859 | --- |
| ● T520B227M006ATE070 | 220μF | 0.07ohm | B | 81R3807 | --- |
| ● T520D337M006ATE009 | 330μF | 0.009ohm | D | 94W4869 | 1.83 |
| ● T520V337M006ATE018 | 330μF | 0.018ohm | V | 94W4887 | --- |
| ● T520D337M006ATE025 | 330μF | 0.025ohm | D | 87H4537 | --- |
| ● T520V337M006ATE025 | 330μF | 0.025ohm | V | 12N2832 | 0.25 |
| ● T520D337M006ATE040 | 330μF | 0.04ohm | D | 12N2829 | --- |
| ● T520Y477M006ATE010 | 470μF | 0.01ohm | Y | 94W4892 | --- |
| 8 V | | | | | |
| ● T520B476M008ATE035 | 47μF | 0.035ohm | B | 94W4850 | --- |
| ● T520B476M008ATE070 | 47μF | 0.07ohm | B | 94W4851 | 0.43 |
| 10 V | | | | | |
| ● T520A106M010ATE080 | 10μF | 0.08ohm | A | 12N2820 | 1.69 |
| ● T520A156M010ATE080 | 15μF | 0.08ohm | A | 94W4836 | --- |
| ● T520B336M010ATE025 | 33μF | 0.025ohm | B | 94W4847 | --- |
| ● T520B336M010ATE040 | 33μF | 0.04ohm | B | 12N2823 | 0.25 |
| ● T520B476M010ATE070 | 47μF | 0.07ohm | B | 12N2825 | --- |
| ● T520V686M010ATE045 | 68μF | 0.045ohm | V | 18K7509 | --- |
| ● T520C686M010ATE045 | 68μF | 0.045ohm | C | 94W4860 | --- |
| ● T520V686M010ATE060 | 68μF | 0.06ohm | V | 10J6684 | --- |
| ● T520V107M010ATE018 | 100μF | 0.018ohm | V | 12N2830 | 3.90 |
| ● T520V107M010ATE025 | 100μF | 0.025ohm | V | 12N2831 | 0.98 |
| ● T520L107M010ATE025 | 100μF | 0.025ohm | L | 94W4875 | 0.80 |
| ● T520V107M010ATE045 | 100μF | 0.045ohm | V | 94W4880 | --- |
| ● T520D107M010ATE080 | 100μF | 0.08ohm | D | 97H5626 | --- |
| ● T520D157M010ATE040 | 150μF | 0.04ohm | D | 12N2826 | --- |
| ● T520D157M010ATE055 | 150μF | 0.055ohm | D | 97H5629 | --- |
| ● T520C157M010ATE055 | 150μF | 0.055ohm | C | 14N7630 | --- |
| ● T520D227M010ATE025 | 220μF | 0.025ohm | D | 12N2828 | --- |
| 16 V | | | | | |
| ● T520B106M016ATE100 | 10μF | 0.1ohm | B | 09P0966 | 0.55 |
| ● T520C226M016ATE080 | 22μF | 0.08ohm | C | 94W4857 | --- |
| ● T520V476M016ATE045 | 47μF | 0.045ohm | V | 43K4393 | --- |
| ● T520D686M016ATE050 | 68μF | 0.05ohm | D | 94W4874 | 0.70 |
| 20 V | | | | | |
| ● T520V226M020ATE040 | 22μF | 0.04ohm | V | 94W4881 | --- |

PIM_80142

OS-CON® - SVP SERIES STANDARD ALUMINUM-POLYMER SOLID CAPACITORS

- Highly Stable Temperature Characteristics
- Long Lifetime at High Temperatures
- Applications include, LED Lighting, PC/Server, Set Top Box, Audio/Video Equipment, FPGA Power Delivery, Router/Switch/Base Station, Test and Measurement.
- Operating Temperature range of -55°C to +105°C
- Capacitance Tolerance of 20%
- Lifetime @ Temperature of 2000 hours @ 125°C

OS-CON Capacitors utilize aluminum and a high conductivity polymer material to offer low ESR, excellent noise reduction and ripple current capabilities. OS-CON parts are characterized by a long life span and minimal changes in ESR throughout the entire rated temperature range.



RoHS Compliant Available

● Indicates RoHS Compliant

Find Datasheets Online

OS-CON® - SVP SERIES STANDARD ALUMINUM-POLYMER SOLID CAPACITORS (CONT.)

| Mfg. Part No. | Cap. | Tol. | ESR | Stock No. | Tape Cut |
|----------------------|-------|------|----------|-----------|----------|
| | | | | | 1-9+ |
| 4 V, 105 °C | | | | | |
| ● 4SVP560M | 560μF | ±20% | 0.013ohm | 98W0643 | --- |
| ● 4SVP680M | 680μF | ±20% | 0.025ohm | 98W0646 | --- |
| 6.3 V, 105 °C | | | | | |
| ● 6SVP82M | 82μF | ±20% | 0.045ohm | 98W0958 | --- |
| ● 6SVP220MX | 220μF | ±20% | 0.035ohm | 98W0950 | --- |
| ● 6SVP330M | 330μF | ±20% | 0.025ohm | 98W0952 | --- |
| ● 6SVP470M | 470μF | ±20% | 0.015ohm | 98W0955 | --- |
| ● 6SVP820M | 820μF | ±20% | 0.012ohm | 98W0960 | 0.62 |
| 10 V, 105 °C | | | | | |
| ● 10SVP10M | 10μF | ±20% | 0.22ohm | 97W9263 | 0.28 |
| ● 10SVP47M | 47μF | ±20% | 0.05ohm | 97W9276 | --- |
| ● 10SVP270M | 270μF | ±20% | 0.025ohm | 97W9269 | --- |
| ● 10SVP330M | 330μF | ±20% | 0.017ohm | 97W9272 | 0.25 |
| ● 10SVP560M | 560μF | ±20% | 0.013ohm | 97W9279 | --- |
| 16 V, 105 °C | | | | | |
| ● 16SVP22M | 22μF | ±20% | 0.09ohm | 98W0231 | 0.31 |
| ● 16SVP39M | 39μF | ±20% | 0.05ohm | 98W0236 | --- |
| ● 16SVP56M | 56μF | ±20% | 0.045ohm | 98W0238 | --- |
| ● 16SVP82M | 82μF | ±20% | 0.04ohm | 98W0240 | 0.40 |
| ● 16SVP100M | 100μF | ±20% | 0.035ohm | 98W0222 | --- |
| ● 16SVP150M | 150μF | ±20% | 0.03ohm | 98W0225 | 1.78 |
| ● 16SVP180M | 180μF | ±20% | 0.02ohm | 98W0227 | --- |
| ● 16SVP180MX | 180μF | ±20% | 0.03ohm | 98W0229 | --- |
| ● 16SVP330M | 330μF | ±20% | 0.016ohm | 98W0234 | --- |
| 20 V, 105 °C | | | | | |
| ● 20SVP22M | 22μF | ±20% | 0.06ohm | 98W0457 | --- |
| ● 20SVP47M | 47μF | ±20% | 0.045ohm | 98W0461 | 0.40 |
| ● 20SVP68M | 68μF | ±20% | 0.04ohm | 98W0464 | --- |
| ● 20SVP100M | 100μF | ±20% | 0.024ohm | 98W0453 | --- |
| ● 20SVP150M | 150μF | ±20% | 0.02ohm | 98W0455 | 2.78 |

PIM_212457

EEE-FT SERIES SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITOR

Features:

- Endurance : 2000h at 105°C
- Miniaturized, Low ESR
- Capacitance tolerance: ±20% (120Hz/+20°C)
- Temperature range: -55°C to +105°C

Panasonic



| Mfg. Part No. | Cap. | Tol. | ESR | Dia. | Height | Stock No. | Tape Cut |
|---------------------|--------|------|---------|-------|--------|-----------|----------|
| | | | | | | | 1-9+ |
| 10 V, 105 °C | | | | | | | |
| ● EEE-FT1A680AR | 68μF | ±20% | 0.85ohm | 4mm | 5.8mm | 73T9155 | --- |
| ● EEE-FT1A151AR | 150μF | ±20% | 0.36ohm | 5mm | 5.8mm | 73T9152 | --- |
| ● EEE-FT1A221AP | 220μF | ±20% | 0.26ohm | 6.3mm | 5.8mm | 73T9154 | --- |
| ● EEE-FT1A102AP | 1000μF | ±20% | 0.08ohm | 8mm | 10.2mm | 73T9151 | --- |
| ● EEE-FT1A152AP | 1500μF | ±20% | 0.06ohm | 10mm | 10.2mm | 73T9153 | --- |
| 16 V, 105 °C | | | | | | | |
| ● EEE-FT1C470AR | 47μF | ±20% | 0.85ohm | 4mm | 5.8mm | 73T9160 | --- |
| ● EEE-FT1C680AR | 68μF | ±20% | 0.36ohm | 5mm | 5.8mm | 73T9161 | --- |
| ● EEE-FT1C101AR | 100μF | ±20% | 0.36ohm | 5mm | 5.8mm | 73T9156 | --- |
| ● EEE-FT1C151AP | 150μF | ±20% | 0.26ohm | 6.3mm | 5.8mm | 73T9158 | --- |
| ● EEE-FT1C221AP | 220μF | ±20% | 0.26ohm | 6.3mm | 5.8mm | 73T9159 | 0.17 |
| ● EEE-FT1C681AP | 680μF | ±20% | 0.08ohm | 8mm | 10.2mm | 73T9162 | --- |
| ● EEE-FT1C102AP | 1000μF | ±20% | 0.06ohm | 10mm | 10.2mm | 73T9157 | --- |
| 25 V, 105 °C | | | | | | | |
| ● EEE-FT1E330AR | 33μF | ±20% | 0.85ohm | 4mm | 5.8mm | 53W8320 | 0.46 |
| ● EEE-FT1E470AR | 47μF | ±20% | 0.36ohm | 5mm | 5.8mm | 31T8177 | --- |
| ● EEE-FT1E680AR | 68μF | ±20% | 0.36ohm | 5mm | 5.8mm | 31T8179 | --- |
| ● EEE-FT1E101AP | 100μF | ±20% | 0.26ohm | 6.3mm | 5.8mm | 31T8174 | 0.11 |
| ● EEE-FT1E471AP | 470μF | ±20% | 0.08ohm | 8mm | 10.2mm | 31T8178 | --- |
| ● EEE-FT1E821AP | 820μF | ±20% | 0.06ohm | 10mm | 10.2mm | 31T8180 | --- |
| 35 V, 105 °C | | | | | | | |
| ● EEE-FT1V220AR | 22μF | ±20% | 0.85ohm | 4mm | 5.8mm | 31T8187 | 0.46 |
| ● EEE-FT1V330AR | 33μF | ±20% | 0.36ohm | 5mm | 5.8mm | 01X2797 | 0.09 |
| ● EEE-FT1V470AR | 47μF | ±20% | 0.36ohm | 5mm | 5.8mm | 31T8190 | --- |
| ● EEE-FT1V680AR | 68μF | ±20% | 0.26ohm | 6.3mm | 5.8mm | 31T8192 | --- |
| ● EEE-FT1V101AP | 100μF | ±20% | 0.26ohm | 6.3mm | 5.8mm | 31T8186 | 0.76 |
| ● EEE-FT1V331AP | 330μF | ±20% | 0.08ohm | 8mm | 10.2mm | 31T8189 | --- |
| ● EEE-FT1V561AP | 560μF | ±20% | 0.06ohm | 10mm | 10.2mm | 31T8191 | 1.23 |

► CONTINUED ►

ALUMINUM ELECTROLYTIC CAPACITORS

EEE-FT SERIES SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITOR (CONT.)

| Mfg. Part No. | Cap. | Tol. | ESR | Dia. | Height | Stock No. | Tape Cut 1-9+ |
|---------------------|-------|------|---------|-------|--------|-----------|------------------|
| 50 V, 105 °C | | | | | | | |
| ● EEE-FT1H100AR | 10μF | ±20% | 0.88ohm | 5mm | 5.8mm | 31T8181 | 0.12 |
| ● EEE-FT1H220AR | 22μF | ±20% | 0.88ohm | 5mm | 5.8mm | 31T8182 | --- |
| ● EEE-FT1H470AP | 47μF | ±20% | 0.68ohm | 6.3mm | 5.8mm | 31T8185 | 0.68 |
| ● EEE-FT1H221AP | 220μF | ±20% | 0.18ohm | 8mm | 10.2mm | 31T8183 | 1.18 |
| ● EEE-FT1H331AP | 330μF | ±20% | 0.12ohm | 10mm | 10.2mm | 31T8184 | 1.42 |

PIM_20905

TTA SERIES 85°C STANDARD AXIAL ALUMINUM ELECTROLYTIC CAPACITORS

Features

- High ripple current ratings
- Solvent tolerant end seals standard (=250 VDC)

Specifications

- Tolerance: ±20% at 120Hz, 20°C



RoHS
Compliant
Available

- Operating Temperature: 450VDC: -40°C to +85°C
- = 450VDC: -25°C to +85°C

TTA SERIES 85°C STANDARD AXIAL ALUMINUM ELECTROLYTIC CAPACITORS (CONT.)

| Mfg. Part No. | Cap. | Tol. | ESR | Dia. | Height | Stock No. | Price Each 1-24+ |
|--|-------|------|------------|-------|--------|-----------|---------------------|
| 350 V, 2000 hours @ 85°C, -40 °C to 85 °C | | | | | | | |
| ● 105TTA350M | 1μF | ±20% | 331.573ohm | 6.3mm | 16mm | 30K6587 | 0.82 |
| ● 475TTA350M | 4.7μF | ±20% | 70.547ohm | 8mm | 20mm | 30K6759 | 0.48 |
| ● 476TTA350M | 47μF | ±20% | 7.055ohm | 16mm | 40mm | 30K6763 | 4.27 |
| ● 107TTA350M | 100μF | ±20% | 3.316ohm | 18mm | 40mm | 30K6602 | 5.19 |

350 V, 2000 hours @ 85°C, -25 °C to 85 °C

| Mfg. Part No. | Cap. | Tol. | ESR | Dia. | Height | Stock No. | Price Each 1-24+ |
|--|-------|------|------------|--------|--------|-----------|---------------------|
| 450 V, 2000 hours @ 85°C, -25 °C to 85 °C | | | | | | | |
| ● 105TTA450M | 1μF | ±20% | 414.660hm | 8mm | 16mm | 30K6588 | 0.98 |
| ● 225TTA450M | 2.2μF | ±20% | 188.394ohm | 10mm | 20mm | 30K6676 | 1.21 |
| ● 106TTA450M | 10μF | ±20% | 41.447ohm | 12.5mm | 25mm | 30K6598 | 2.28 |
| ● 226TTA450M | 22μF | ±20% | 18.839ohm | 16mm | 30mm | 30K6680 | 3.16 |
| ● 336TTA450M | 33μF | ±20% | 12.560hm | 16mm | 40mm | 30K6720 | 4.24 |
| ● 107TTA450M | 100μF | ±20% | 4.145ohm | 22mm | 50mm | 30K6603 | 7.99 |

PIM_84772

36DX SERIES POWERLYTIC® ALUMINUM ELECTROLYTIC CAPACITORS

Features:

- Improved Version of Sprague 36D Series with Up to 50% More Capacitance
- Designed for Operating Life in Excess of 10 Years
- Outer Plastic Film Insulation, Low Screw-Insert Terminals
- Mounting Bracket sold separately, go online or call .

Specifications:

- Operating Temp: -40°C to +85°C
- Pressure Safety Vent
- Tolerance: 10 to 100 VDC: -10%, +75%; 200 to 450 VDC: -10%, +50%



RoHS
Compliant
Available



| Mfg. Part No. | Cap. | Dia. | Height | Stock No. | Price Each 1-4+ |
|--------------------------------|---------|------|--------|-----------|--------------------|
| 25 V, 85 °C, +75%, -10% | | | | | |
| ● 36DX133G025A2A | 13000μF | 35mm | 105mm | 20M7092 | 26.43 |
| 30 V, 85 °C, +75%, -10% | | | | | |
| ● 36DX402G030AA2A | 4000μF | 35mm | 54mm | 17M8412 | 26.58 |
| ● 36DX263G030BC2A | 26000μF | 51mm | 105mm | 17M8403 | 23.60 |

40 V, 85 °C, +75%, -10%

| Mfg. Part No. | Cap. | Dia. | Height | Stock No. | Price Each 1-4+ |
|--------------------------------|---------|------|--------|-----------|--------------------|
| 25 V, 85 °C, +75%, -10% | | | | | |
| ● 36DX292G040AA2A | 2900μF | 35mm | 54mm | 66C7675 | 21.46 |
| ● 36DX582G040AB2A | 5800μF | 35mm | 79mm | 17M8422 | --- |
| ● 36DX343G040CC2A | 34000μF | 64mm | 105mm | 17M8408 | 67.68 |
| ● 36DX763G040DF2A | 76000μF | 76mm | 143mm | 17M8425 | 93.17 |

50 V, 85 °C, +75%, -10%

| Mfg. Part No. | Cap. | Dia. | Height | Stock No. | Price Each 1-4+ |
|--------------------------------|---------|------|--------|-----------|--------------------|
| 30 V, 85 °C, +75%, -10% | | | | | |
| ● 36DX133G025A2A | 13000μF | 35mm | 105mm | 20M7092 | 26.43 |
| ● 36DX402G030AA2A | 4000μF | 35mm | 54mm | 17M8412 | 26.58 |
| ● 36DX263G030BC2A | 26000μF | 51mm | 105mm | 17M8403 | 23.60 |

50 V, 85 °C, +75%, -10%

| Mfg. Part No. | Cap. | Dia. | Height | Stock No. | Price Each 1-4+ |
|--------------------------------|---------|------|--------|-----------|--------------------|
| 30 V, 85 °C, +75%, -10% | | | | | |
| ● 36DX292G040AA2A | 2900μF | 35mm | 79mm | 47F2062 | 38.84 |
| ● 36DX722G050AC2A | 7200μF | 35mm | 105mm | 17M8423 | 34.14 |
| ● 36DX163G050BC2A | 16000μF | 51mm | 105mm | 17M8394 | 46.72 |
| ● 36DX243G050BF2A | 24000μF | 51mm | 143mm | 17M8401 | 28.04 |
| ● 36DX403G050CF2A | 40000μF | 64mm | 143mm | 17M8413 | 54.32 |
| ● 36DX413G050DC2A | 41000μF | 76mm | 105mm | 17M8414 | 82.51 |

75 V, 85 °C, +75%, -10%

| Mfg. Part No. | Cap. | Dia. | Height | Stock No. | Price Each 1-4+ |
|--------------------------------|---------|------|--------|-----------|--------------------|
| 30 V, 85 °C, +75%, -10% | | | | | |
| ● 36DX142G050AB2A | 4800μF | 35mm | 79mm | 47F2062 | 38.84 |
| ● 36DX722G050AC2A | 7200μF | 35mm | 105mm | 17M8423 | 34.14 |
| ● 36DX163G050BC2A | 16000μF | 51mm | 105mm | 17M8394 | 46.72 |
| ● 36DX243G050BF2A | 24000μF | 51mm | 143mm | 17M8401 | 28.04 |
| ● 36DX403G050CF2A | 40000μF | 64mm | 143mm | 17M8413 | 54.32 |
| ● 36DX413G050DC2A | 41000μF | 76mm | 105mm | 17M8414 | 82.51 |

75 V, 85 °C, +75%, -10%

| Mfg. Part No. | Cap. | Dia. | Height | Stock No. | Price Each 1-4+ |
|--------------------------------|---------|------|--------|-----------|--------------------|
| 30 V, 85 °C, +75%, -10% | | | | | |
| ● 36DX142G075AA2A | 1400μF | 35mm | 54mm | 17M8391 | --- |
| ● 36DX282G075AB2A | 2800μF | 35mm | 79mm | 17M8404 | --- |
| ● 36DX422G075AC2A | 4200μF | 35mm | 105mm | 17M8416 | 23.79 |
| ● 36DX103G075BC2A | 10000μF | 51mm | 105mm | 17M8388 | 70.86 |
| ● 36DX173G075CC2A | 17000μF | 64mm | 105mm | 17M8395 | 85.26 |

200 V, 85 °C, +50%, -10%

| Mfg. Part No. | Cap. | Dia. | Height | Stock No. | Price Each 1-4+ |
|--------------------------------|--------|------|--------|-----------|--------------------|
| 30 V, 85 °C, +50%, -10% | | | | | |
| ● 36DX851F200AC2A | 850μF | 35mm | 105mm | 27F501 | 17.04 |
| ● 36DX202F200BC2A | 2000μF | 51mm | 105mm | 17M8397 | --- |
| ● 36DX282F200CC2A | 2800μF | 51mm | 105mm | 21M5210 | 59.38 |
| ● 36DX342F200CC2A | 3400μF | 64mm | 105mm | 17M8407 | 71.95 |

250 V, 85 °C, +50%, -10%

| Mfg. Part No. | Cap. | Dia. | Height | Stock No. | Price Each 1-4+ |
|---------------------------------|--------|------|--------|-----------|--------------------|
| 30 V, 85 °C, +50%, -10% | | | | | |
| ● 36DX501F250AB2A | 500μF | 35mm | 79mm | 17M8417 | 27.28 |
| ● 36DX122F250BB2A | 1200μF | 51mm | 79mm | 20M7091 | 68.44 |
| ● 36DX292F250CC2A | 2900μF | 64mm | 105mm | 27F478 | 37.78 |
| ● 36DX422F250CF2A | 4200μF | 64mm | 143mm | 17M8415 | 94.68 |
| 350 V, 85 °C, +50%, -10% | | | | | |
| ● 36DX372F350DF2A | 3700μF | 76mm | 143mm | 20M1925 | 60.99 |
| 450 V, 85 °C, +50%, -10% | | | | | |
| ● 36DX231F450AC2A | 230μF | 35mm | 105mm | 26M8374 | 32.10 |
| ● 36DX381F450BB2A | 380μF | 51mm | 79mm | 17M8411 | --- |
| ● 36DX541F450BC2A | 540μF | 51mm | 105mm | 17M8421 | 58.59 |
| ● 36DX202F450DF2A | 2000μF | 76mm | 143mm | 17M8398 | 126.06 |
| ● 36DX352F450DJ2A | 3500μF | 76mm | 219mm | 17M8409 | 158.71 |

PIM_7094

► CONTINUED ►

CAPACITORS

ALUMINUM ELECTROLYTIC CAPACITORS

GENERAL PURPOSE AXIAL LEAD ALUMINUM ELECTROLYTIC CAPACITORS

Specifications

- Operating Temperature:
-40°C to +105°C for 6.3-100VDC
- -25°C to +105°C for 160-450VDC
- Rated Life: 2,000 hours @ +105°C



RoHS Compliant Available

| Mfg. Part No. | Cap. | Tol. | Dia. | Height | Stock No. | Price Each |
|--|--------|------|------|--------|-----------|------------|
| | | | | | | 1-9+ |
| 16 V, 2000 hours @ 105°C, -40°C to 105°C | | | | | | |
| MCAX16V106K6X13 | 10µF | ±10% | 6mm | 13mm | 97M3984 | 0.55 |
| MCAX16V257K8X16 | 250µF | ±20% | 8mm | 16mm | 97M3986 | 0.09 |
| 25 V, 2000 hours @ 105°C, -40°C to 105°C | | | | | | |
| MCAX25V106K6X13 | 10µF | ±10% | 6mm | 13mm | 97M3988 | 0.59 |
| MCAX25V226M6X13 | 22µF | ±20% | 6mm | 13mm | 97M3995 | 0.55 |
| MCAX25V256K6X13 | 25µF | ±10% | 6mm | 13mm | 97M3997 | 0.59 |
| MCAX25V476M6X13 | 47µF | ±20% | 6mm | 13mm | 97M3998 | 0.55 |
| MCAX25V506M6X13 | 50µF | ±20% | 6mm | 13mm | 97M5049 | 0.55 |
| MCAX25V107K8X13 | 100µF | ±10% | 8mm | 13mm | 97M3989 | 0.73 |
| MCAX25V107MBX16 | 100µF | ±20% | 8mm | 16mm | 97M3991 | 0.29 |
| MCAX25V207K8X16 | 200µF | ±10% | 8mm | 16mm | 97M3994 | 0.87 |
| MCAX25V227M8X16 | 220µF | ±20% | 8mm | 16mm | 97M3996 | 0.81 |
| MCAX25V257MBX16 | 250µF | ±20% | 8mm | 16mm | 97M5048 | 0.93 |
| MCAX25V477M10X21 | 470µF | ±20% | 10mm | 21mm | 97M3999 | 1.03 |
| MCAX25V507M10X21 | 500µF | ±20% | 10mm | 21mm | 97M5050 | 0.20 |
| MCAX25V108M13X22 | 1000µF | ±20% | 13mm | 22mm | 97M3992 | 0.80 |
| 35 V, 2000 hours @ 105°C, -40°C to 105°C | | | | | | |
| MCAX35V106M6X13 | 10µF | ±20% | 6mm | 13mm | 97M4002 | 0.55 |
| MCAX35V476K6X13 | 47µF | ±10% | 6mm | 13mm | 97M5052 | 0.57 |
| MCAX35V107M8X16 | 100µF | ±20% | 8mm | 16mm | 97M4003 | 0.81 |
| 40 V, 2000 hours @ 105°C, -40°C to 105°C | | | | | | |
| MCAX40V227M10X21 | 220µF | ±20% | 10mm | 21mm | 97M4009 | 0.58 |
| MCAX40V687M16X28 | 680µF | ±20% | 16mm | 28mm | 97M4013 | 0.32 |
| MCAX40V108M16X32 | 1000µF | ±20% | 16mm | 32mm | 97M4007 | 1.86 |
| MCAX40V228M18X36 | 2200µF | ±20% | 18mm | 36mm | 97M4010 | 1.99 |
| MCAX40V478M20X36 | 4700µF | ±20% | 20mm | 36mm | 97M4012 | 0.67 |
| 50 V, 2000 hours @ 105°C, -40°C to 105°C | | | | | | |
| MCAX50V105K6X13 | 1µF | ±10% | 6mm | 13mm | 97M4015 | 0.10 |
| MCAX50V205K6X13 | 2µF | ±10% | 6mm | 13mm | 97M4021 | 0.10 |
| MCAX50V106M6X13 | 10µF | ±20% | 6mm | 13mm | 97M5060 | 0.55 |
| MCAX50V156K6X13 | 15µF | ±10% | 6mm | 13mm | 97M4020 | 0.59 |
| MCAX50V206K6X13 | 20µF | ±10% | 6mm | 13mm | 97M4022 | 0.59 |
| MCAX50V226M6X13 | 22µF | ±20% | 6mm | 13mm | 97M4023 | 0.59 |
| MCAX50V256M6X13 | 25µF | ±20% | 6mm | 13mm | 97M5063 | 0.59 |
| MCAX50V476MBX16 | 47µF | ±20% | 8mm | 16mm | 97M4027 | 0.77 |
| MCAX50V506K8X16 | 50µF | ±10% | 8mm | 16mm | 97M4028 | 0.74 |
| MCAX50V107K8X16 | 100µF | ±10% | 8mm | 16mm | 97M4017 | 0.82 |
| MCAX50V157M10X21 | 150µF | ±20% | 10mm | 21mm | 97M5062 | 0.21 |
| MCAX50V108M16X32 | 1000µF | ±20% | 16mm | 32mm | 97M4018 | 1.72 |
| MCAX50V108M16X38 | 1000µF | ±20% | 16mm | 38mm | 97M5061 | 1.73 |
| MCAX50V508K22X42 | 5000µF | ±10% | 22mm | 42mm | 97M4030 | 1.17 |
| 63 V, 2000 hours @ 105°C, -40°C to 105°C | | | | | | |
| MCAX63V105M6X13 | 1µF | ±20% | 6mm | 13mm | 97M4031 | 0.55 |
| MCAX63V226M6X13 | 2.2µF | ±20% | 6mm | 13mm | 97M4035 | 0.55 |
| MCAX63V106M6X13 | 10µF | ±20% | 6mm | 13mm | 97M4032 | 0.59 |
| MCAX63V226M6X13 | 22µF | ±20% | 6mm | 13mm | 97M4036 | 0.59 |
| MCAX63V476MBX16 | 47µF | ±20% | 8mm | 16mm | 97M4041 | 0.87 |
| MCAX63V107M10X21 | 100µF | ±20% | 10mm | 21mm | 97M4033 | 0.98 |
| MCAX63V227M13X22 | 220µF | ±20% | 13mm | 22mm | 97M4037 | 0.80 |
| MCAX63V337M13X27 | 330µF | ±20% | 13mm | 27mm | 97M4039 | 0.24 |
| MCAX63V108M16X36 | 1000µF | ±20% | 16mm | 36mm | 97M4034 | 0.67 |
| MCAX63V228M20X36 | 2200µF | ±20% | 20mm | 36mm | 97M4038 | 3.18 |
| 150 V, 2000 hours @ 105°C, -40°C to 105°C | | | | | | |
| MCAX150V106K10X21 | 10µF | ±10% | 10mm | 21mm | 97M3983 | 0.13 |
| MCAX150V506M13X27 | 50µF | ±20% | 13mm | 27mm | 97M5045 | 0.43 |
| 350 V, 2000 hours @ 105°C, -40°C to 105°C | | | | | | |
| MCAX350V106M10X21 | 10µF | ±20% | 10mm | 21mm | 97M5053 | 0.80 |
| MCAX350V107M18X36 | 100µF | ±20% | 18mm | 36mm | 97M5054 | 1.43 |
| 450 V, 2000 hours @ 105°C, -40°C to 105°C | | | | | | |
| MCAX450V205M10X21 | 2µF | ±20% | 10mm | 21mm | 97M5056 | 0.26 |
| MCAX450V805M13X25 | 8µF | ±20% | 13mm | 25mm | 97M5059 | 0.43 |
| MCAX450V106M13X25 | 10µF | ±20% | 13mm | 25mm | 97M5055 | 0.44 |
| MCAX450V206M13X32 | 20µF | ±20% | 13mm | 32mm | 97M5057 | 1.72 |
| MCAX450V226M16X32 | 22µF | ±20% | 16mm | 32mm | 97M4014 | 0.62 |
| MCAX450V406M18X36 | 40µF | ±20% | 18mm | 36mm | 97M5058 | 1.34 |

PIM_163994

● Indicates RoHS Compliant

Find Datasheets Online

multicomp

RoHS Compliant Available

DCMC SERIES SCREW TERMINAL ALUMINUM ELECTROLYTIC CAPACITORS

Features

- Low ESR
- Handle Large Ripple Currents
- Thermal-Pak™ Extended Cathode Construction Helps Assure Cool Operation with Heat Flow from the Capacitor Element to the Can
- Ideal for Power Supplies and UPS Systems

Specifications

- Tolerance: -10%, +75% up to 100 VDC; -10%, +50% for 160 VDC and Up

For mounting brackets; go online or call



CORNELL DUBILIER

RoHS Compliant Available



• Operating Temperature: -40°C to +85°C

| Mfg. Part No. | Cap. | ESR | Dia. | Height | Stock No. | Price Each |
|---------------------------------|---------|-----------|---------|----------|-----------|------------|
| | | | | | | 1-9+ |
| 16 V, 85 °C, +75%, -10% | | | | | | |
| DCMC353U016AA2B | 35000µF | 0.0265ohm | 34.93mm | 34.93mm | 64K2260 | 10.19 |
| 25 V, 85 °C, +75%, -10% | | | | | | |
| DCMC203U025AA2B | 20000µF | 0.0236ohm | 34.93mm | 34.93mm | 59K0145 | 9.68 |
| 50 V, 85 °C, +75%, -10% | | | | | | |
| DCMC154U050DC2B | 0.15F | 0.0067ohm | 76.2mm | 76.2mm | 60K5377 | 91.64 |
| DCMC244U050DP2D | 0.24F | 0.0054ohm | 76.2mm | 149.23mm | 59K0148 | 106.42 |
| DCMC103U050AA2B | 10000µF | 0.0309ohm | 34.93mm | 34.93mm | 59K0136 | 23.31 |
| DCMC163U050AB2B | 16000µF | 0.0236ohm | 34.93mm | 34.93mm | 59K0141 | 16.68 |
| DCMC383U050BB2B | 38000µF | 0.0163ohm | 50.8mm | 79.38mm | 95B8776 | 44.89 |
| DCMC603U050BC2B | 60000µF | 0.0119ohm | 50.8mm | 50.8mm | 95B8784 | 58.16 |
| 75 V, 85 °C, +75%, -10% | | | | | | |
| DCMC143U075AC2B | 14000µF | 0.0305ohm | 34.93mm | 34.93mm | 59K0139 | 17.75 |
| DCMC303U075BC2B | 30000µF | 0.0156ohm | 50.8mm | 104.78mm | 19C2013 | 53.29 |
| 100 V, 85 °C, +75%, -10% | | | | | | |
| DCMC763U100DF2B | 76000µF | 0.0112ohm | 76.2mm | 76.2mm | 59K0164 | 119.63 |
| 200 V, 85 °C, +50%, -10% | | | | | | |
| DCMC243T200DF2B | 24000µF | 0.0133ohm | 76.2mm | 76.2mm | 95B8767 | --- |
| 250 V, 85 °C, +50%, -10% | | | | | | |
| DCMC152T250AB2B | 1500µF | 0.1005ohm | 34.93mm | 34.93mm | 59K0140 | 14.20 |
| DCMC192T250AJ2B | 1900µF | 0.0696ohm | 34.93mm | 34.93mm | 59K0143 | 22.89 |
| 450 V, 85 °C, +50%, -10% | | | | | | |
| DCMC681T450AC2B | 680µF | 0.1695ohm | 34.93mm | 34.93mm | 60K5379 | 38.04 |

PIM_64073

| Mfg. Part No. | Cap. | ESR | Dia. | Height | Stock No. | Price Each |
|---|---------|---------|--------|----------|-----------|------------|
| | | | | | | 1-4+ |
| 250 V, 85 °C, +50%, -10% | | | | | | |
| CGH172T250V2L | 1700µF | 65.8ohm | 50.8mm | 66.7mm | 69K1773 | 8.92 |
| CGH292T250V3L | 2900µF | 53.1ohm | 50.8mm | 92.07mm | 74K3712 | 54.74 |
| CGH223T250X8L | 22000µF | 11.5ohm | 76.2mm | 219.07mm | 69K1774 | 365.91 |
| 450 V, 85 °C, +50%, -10% | | | | | | |
| CGH102T450V3L | 1000µF | 83.4ohm | 50.8mm | 92.07mm | 69K1772 | 64.99 |
| CGH242T450W4L | 2400µF | 40.1ohm | 63.5mm | 117.47mm | 95F3399 | 101.62 |
| CGH312T450W5L | 3100µF | 31.7ohm | 63.5mm | 142.87mm | 69K1775 | 123.02 |
| PIM_7161 | | | | | | |
| CGS SERIES SCREW TERMINAL ALUMINUM ELECTROLYTIC CAPACITORS | | | | | | |
| Features | | | | | | |
| • High CV Product | | | | | | |
| • Screw Terminals | | | | | | |
| Applications | | | | | | |
| • High Current Filtering or Energy Storage | | | | | | |
| Specifications | | | | | | |
| • Tolerance: 6.3 VDC to 150 VDC: -10%, +75%; 200 VDC to 450 VDC: -10%, +50% | | | | | | |
| • Capacitance Range: 75 µF to 1,500,000 µF | | | | | | |
| • Voltage Range: 6.3 to 500 VDC | | | | | | |
| • Operating Temperature: -40°C to +85°C | | | | | | |
| Mounting brackets ordered separately, go online or call. | | | | | | |
| Additional values available, go online or call for details. | | | | | | |

► CONTINUED ►

ALUMINUM ELECTROLYTIC CAPACITORS

CGS SERIES SCREW TERMINAL ALUMINUM ELECTROLYTIC CAPACITORS
(CONT.)

| Mfg. Part No. | Cap. | ESR | Dia. | Height | Stock No. | Price Each |
|--------------------------------|---------|----------|--------|--------|-----------|------------|
| | | | | | | 1-99+ |
| 10 V, 85 °C, +75%, -10% | | | | | | |
| ● CGS183U010R2C | 18000µF | 0.078ohm | 35mm | 54mm | 90B2822 | 7.81 |
| 16 V, 85 °C, +75%, -10% | | | | | | |
| ● CGS114U016W4C | 0.11F | 0.010hm | 63.5mm | 105mm | 69K1799 | 50.40 |
| ● CGS214U016X5R | 0.21F | 0.005ohm | 76.2mm | 149mm | 69K1791 | 69.73 |
| ● CGS243U016R3C | 24000µF | 0.032ohm | 35mm | 79.4mm | 69K1843 | 32.54 |
| ● CGS253U016R4C | 25000µF | 0.016ohm | 35mm | 105mm | 69K1847 | 32.19 |
| ● CGS383U016V3C | 38000µF | 0.021ohm | 50.8mm | 79.4mm | 69K1861 | 30.02 |
| ● CGS503U016V3C | 50000µF | 0.011ohm | 50.8mm | 79.4mm | 69K1880 | 40.10 |
| ● CGS553U016V3L | 55000µF | 0.018ohm | 50.8mm | 92mm | 69K1883 | 33.31 |
| ● CGS633U016V4C | 66000µF | 0.017ohm | 50.8mm | 105mm | 69K1895 | 34.52 |
| 25 V, 85 °C, +75%, -10% | | | | | | |
| ● CGS302U025R2C | 3000µF | 0.235ohm | 35mm | 54mm | 18C5349 | 19.85 |
| ● CGS562U025R3C | 5600µF | 0.026ohm | 35mm | 79.4mm | 60F3677 | --- |
| ● CGS892U025R3C | 8900µF | 0.024ohm | 35mm | 79.4mm | 69K1906 | 18.69 |
| ● CGS103U025R3C | 10000µF | 0.024ohm | 35mm | 79.4mm | 69K1792 | 32.54 |
| ● CGS183U025R4C | 18000µF | 0.017ohm | 35mm | 105mm | 69K1826 | 14.67 |
| ● CGS473U025V4C | 47000µF | 0.022ohm | 50.8mm | 105mm | 69K1876 | 39.36 |
| 30 V, 85 °C, +75%, -10% | | | | | | |
| ● CGS104U030X5L | 0.1F | 0.008ohm | 76.2mm | 143mm | 50B4883 | 67.48 |
| ● CGS802U030R3C | 8000µF | 0.024ohm | 35mm | 79.4mm | 50F6803 | 30.72 |
| ● CGS303U030V4C | 30000µF | 0.019ohm | 50.8mm | 105mm | 69K1854 | 37.85 |
| ● CGS553U030W4C | 55000µF | 0.009ohm | 63.5mm | 105mm | 69K1884 | 41.82 |
| 35 V, 85 °C, +75%, -10% | | | | | | |
| ● CGS103U035V2C | 10000µF | 0.038ohm | 50.8mm | 54mm | 73K0920 | 41.97 |
| ● CGS123U035R4C | 12000µF | 0.018ohm | 35mm | 105mm | 69K1803 | 37.33 |
| 40 V, 85 °C, +75%, -10% | | | | | | |
| ● CGS222U040R2C | 2200µF | 0.044ohm | 35mm | 54mm | 69K1835 | 18.93 |
| ● CGS272U040R2C | 2700µF | 0.042ohm | 35mm | 54mm | 69K1849 | 11.23 |
| ● CGS352U040R2C | 3500µF | 0.038ohm | 35mm | 54mm | 74K2455 | 30.35 |
| ● CGS472U040R2C | 4700µF | 0.036ohm | 35mm | 54mm | 69K1875 | 32.35 |
| ● CGS512U040R3C | 5100µF | 0.026ohm | 35mm | 79.4mm | 69K1881 | 34.09 |
| ● CGS602U040R3C | 6000µF | 0.025ohm | 35mm | 79.4mm | 69K1890 | 12.60 |
| ● CGS902U040R4C | 9000µF | 0.019ohm | 35mm | 105mm | 69K1907 | 35.70 |
| ● CGS113U040V3C | 11000µF | 0.024ohm | 50.8mm | 79.4mm | 69K1798 | 17.68 |
| ● CGS223U040V3C | 22000µF | 0.031ohm | 50.8mm | 79.4mm | 69K1837 | 39.79 |
| ● CGS233U040V4C | 23000µF | 0.020ohm | 50.8mm | 105mm | 69K1839 | 30.43 |
| ● CGS403U040W4C | 40000µF | 0.01ohm | 63.5mm | 105mm | 69K1864 | 46.81 |
| 50 V, 85 °C, +75%, -10% | | | | | | |
| ● CGS124U050X5L | 0.12F | 0.007ohm | 76.2mm | 143mm | 92B7606 | 109.16 |
| ● CGS222U050R2C | 2200µF | 0.044ohm | 35mm | 54mm | 94B9413 | 33.27 |
| ● CGS292U050R3C | 2900µF | 0.030hm | 35mm | 79.4mm | 69K1851 | 11.37 |
| ● CGS412U050R3C | 4100µF | 0.022ohm | 35mm | 79.4mm | 69K1866 | 22.82 |
| ● CGS432U050R4C | 4300µF | 0.022ohm | 35mm | 105mm | 69K1870 | 37.80 |
| ● CGS502U050R3C | 5000µF | 0.026ohm | 35mm | 79.4mm | 94F3724 | 21.76 |
| ● CGS652U050V3C | 6500µF | 0.025ohm | 50.8mm | 79.4mm | 69K1894 | 33.42 |
| ● CGS682U050R3C | 6800µF | 0.024ohm | 35mm | 79.4mm | 69K1896 | 11.45 |
| ● CGS962U050V4C | 9600µF | 0.018ohm | 50.8mm | 105mm | 69K1909 | 32.16 |
| ● CGS103U050R4C | 10000µF | 0.017ohm | 35mm | 105mm | 69K1793 | 38.91 |
| ● CGS133U050V3C | 13000µF | 0.029ohm | 50.8mm | 79.4mm | 90F1672 | 28.65 |
| ● CGS183U050V3C | 18000µF | 0.034ohm | 50.8mm | 79.4mm | 34C6378 | 48.56 |
| ● CGS203U050V4C | 20000µF | 0.021ohm | 50.8mm | 105mm | 69K1831 | 49.82 |
| ● CGS243U050W3C | 24000µF | 0.014ohm | 63.5mm | 79.4mm | 07C9717 | 45.62 |
| ● CGS313U050W4C | 31000µF | 0.028ohm | 63.5mm | 105mm | 92B4494 | 53.97 |
| ● CGS483U050X4C | 48000µF | 0.012ohm | 76.2mm | 105mm | 07C9738 | 69.89 |
| ● CGS563U050X3L | 56000µF | 0.005ohm | 76.2mm | 92mm | 69K1886 | 83.09 |
| ● CGS603U050X5C | 60000µF | 0.01ohm | 76.2mm | 130mm | 69K1891 | 75.47 |
| 75 V, 85 °C, +75%, -10% | | | | | | |
| ● CGS152U075R3C | 1500µF | 0.041ohm | 35mm | 79.4mm | 69K1814 | 35.84 |
| ● CGS222U075R2C | 2200µF | 0.041ohm | 35mm | 54mm | 69K1836 | 32.35 |
| ● CGS292U075R3C | 2900µF | 0.032ohm | 35mm | 79.4mm | 69K1852 | 30.69 |
| ● CGS422U075R4C | 4200µF | 0.023ohm | 35mm | 105mm | 69K1869 | 40.40 |
| ● CGS482U075V3C | 4800µF | 0.03ohm | 50.8mm | 79.4mm | 69K1878 | 20.15 |
| ● CGS632U075R5L | 6300µF | 0.017ohm | 35mm | 143mm | 69K1892 | 27.12 |
| ● CGS103U075R3C | 10000µF | 0.029ohm | 35mm | 79.4mm | 97B1168 | 47.05 |
| ● CGS103U075V3C | 10000µF | 0.041ohm | 50.8mm | 79.4mm | 69K1794 | 47.30 |
| ● CGS123U075V4C | 12000µF | 0.026ohm | 50.8mm | 105mm | 88F2673 | 51.37 |
| ● CGS153U075V5L | 15000µF | 0.018ohm | 50.8mm | 143mm | 69K1817 | 39.45 |
| ● CGS173U075X4C | 17000µF | 0.033ohm | 76.2mm | 105mm | 69K1824 | 61.27 |
| ● CGS373U075X5L | 37000µF | 0.01ohm | 76.2mm | 143mm | 69K1860 | 89.50 |

► CONTINUED ►

CGS SERIES SCREW TERMINAL ALUMINUM ELECTROLYTIC CAPACITORS
(CONT.)

| Mfg. Part No. | Cap. | ESR | Dia. | Height | Stock No. | Price Each |
|---------------------------------|---------|----------|--------|---------|-----------|------------|
| | | | | | | 1-99+ |
| 100 V, 85 °C, +75%, -10% | | | | | | |
| ● CGS122U100R3C | 1200µF | 0.062ohm | 35mm | 79.4mm | 69K1801 | 22.38 |
| ● CGS103U100W4C | 10000µF | 0.040hm | 63.5mm | 105mm | 74K4900 | 41.74 |
| ● CGS153U100X4C | 15000µF | 0.051ohm | 76.2mm | 105mm | 69K1818 | 79.04 |
| 150 V, 85 °C, +75%, -10% | | | | | | |
| ● CGS401U150R2C | 400µF | 0.137ohm | 35mm | 54mm | 72K6625 | 31.98 |
| ● CGS112U150R4C | 1100µF | 0.064ohm | 35mm | 105mm | 69K1797 | 31.91 |
| ● CGS352U150V5L | 3500µF | 0.031ohm | 50.8mm | 143mm | 69K1859 | 35.07 |
| 200 V, 85 °C, +50%, -10% | | | | | | |
| ● CGS591T200R3C | 590µF | 0.151ohm | 35mm | 79.4mm | 94F3726 | 12.10 |
| ● CGS102T200R4C | 1000µF | 0.113ohm | 35mm | 105mm | 69K1788 | 35.25 |
| ● CGS162T200V3C | 1600µF | 0.074ohm | 50.8mm | 79.4mm | 69K1819 | 39.30 |
| ● CGS202T200V4C | 2000µF | 0.057ohm | 50.8mm | 105mm | 69K1828 | 51.37 |
| ● CGS222T200V4C | 2200µF | 0.054ohm | 50.8mm | 105mm | 07C9712 | 41.45 |
| ● CGS272T200V4C | 2700µF | 0.048ohm | 50.8mm | 105mm | 01C6229 | 46.20 |
| ● CGS502T200W5C | 5000µF | 0.036ohm | 63.5mm | 130mm | 69K1879 | 41.17 |
| ● CGS542T200X4L | 5400µF | 0.021ohm | 76.2mm | 117.5mm | 69K1882 | 93.48 |
| ● CGS742T200X5L | 7400µF | 0.018ohm | 76.2mm | 143mm | 69K1899 | 117.17 |
| ● CGS772T200X5L | 7700µF | 0.018ohm | 76.2mm | 143mm | 69K1901 | 75.47 |
| 250 V, 85 °C, +50%, -10% | | | | | | |
| ● CGS201T250R2C | 200µF | 0.241ohm | 35mm | 54mm | 69K1827 | 12.17 |
| ● CGS251T250R2C | 250µF | 0.278ohm | 35mm | 54mm | 69K1844 | 32.35 |
| ● CGS551T250R4C | 550µF | 0.098ohm | 35mm | 105mm | 69K8372 | 34.84 |
| ● CGS122T250V3C | 1200µF | 0.080hm | 50.8mm | 79.4mm | 69K1800 | 35.20 |
| ● CGS422T250W5L | 4200µF | 0.023ohm | 63.5mm | 143mm | 69K1868 | 75.70 |
| ● CGS602T250X5L | 6000µF | 0.047ohm | 76.2mm | 143mm | 69K1888 | 120.78 |
| ● CGS103T250X5L | 10000µF | 0.016ohm | 76.2mm | 143mm | 94B0709 | 147.85 |
| 350 V, 85 °C, +50%, -10% | | | | | | |
| ● CGS381T350R4C | 380µF | 0.318ohm | 35mm | 105mm | 07C9729 | 25.23 |
| ● CGS102T350V4C | 1000µF | 0.14ohm | 50.8mm | 105mm | 69K1789 | 11.12 |
| ● CGS222T350W5L | 2200µF | 0.063ohm | 63.5mm | 143mm | 69K1833 | 87.82 |
| ● CGS332T350X5L | 3300µF | 0.044ohm | 76.2mm | 143mm | 69K1856 | 115.70 |
| 450 V, 85 °C, +50%, -10% | | | | | | |
| ● CGS101T450R2C | 100µF | 0.737ohm | 35mm | 54mm | 69K1787 | 16.96 |
| ● CGS141T450R3C | 140µF | 0.496ohm | 35mm | 79.4mm | 69K1809 | 34.09 |
| ● CGS171T450R3C | 170µF | 0.456ohm | 35mm | 79.4mm | 69K1821 | 13.92 |
| ● CGS211T450R4C | 210µF | 0.332ohm | 35mm | 105mm | 69K1832 | 35.56 |
| ● CGS321T450V3C | 320µF | 0.253ohm | 50.8mm | 79.4mm | 69K1855 | 48.45 |
| ● CGS401T450R5L | 400µF | 0.198ohm | 35mm | 143mm | 69K1862 | 35.50 |
| ● CGS451T450V3C | 450µF | 0.188ohm | 50.8mm | 79.4mm | 69K1873 | 40.06 |
| ● CGS481T450V4C | 480µF | 0.171ohm | 50.8mm | 105mm | 69K1877 | 36.92 |
| ● CGS651T450V4C | 650µF | 0.154ohm | 50.8mm | 105mm | 69K1893 | 41.30 |
| ● CGS801T450V4L | 800µF | 0.108ohm | 50.8mm | 117.5mm | 72K7276 | 58.24 |
| ● CGS102T450W4C | 1000µF | 0.082ohm | 63.5mm | 105mm | 69K1790 | 76.40 |
| ● CGS142T450W5C | 1400µF | 0.060hm | 63.5mm | 130mm | 69K1811 | 91.37 |
| ● CGS152T450X5C | 1500µF | 0.057ohm | 76.2mm | 130mm | 69K1813 | 78.72 |
| ● CGS182T450X5R | 1800µF | 0.048ohm | 76.2mm | 149mm | 69K1825 | 86.45 |
| ● CGS202T450X5C | 2000µF | 0.045ohm | 76.2mm | 130mm | 69K1829 | 119.89 |
| ● CGS222T450X4C | 2200µF | 0.045ohm | 76.2mm | 105mm | 69K1834 | 103.77 |
| ● CGS242T450X5L | 2400µF | 0.038ohm | 76.2mm | 143mm | 69K1840 | 148.93 |
| ● CGS472T450X5C | 4700µF | 0.031ohm | 76.2mm | 130mm | 69K1874 | 220.93 |

PIM_7141

HYBRID SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS

Features:

- Endurance: 10000h @ 105°C (ZA series); 4000h @ 102°C (ZC series)
- Low ESR and high ripple current
- AEC-Q200 qualified
- Tolerance: ±20%
- Temperature range: -55°C to +105°C (ZA series); -55°C to +125°C (ZC series)
- Rated voltage range: 25VDC to

ALUMINUM ELECTROLYTIC CAPACITORS

HYBRID SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS
(CONT.)

| Mfg. Part No. | Cap. | Tol. | ESR | Dia. | Height | Stock No. | Tape Cut |
|-----------------|-------|------|----------|-------|--------|-----------|----------|
| 25 V, 105 °C | | | | | | | |
| ● EEH-ZA1E221P | 220μF | ±20% | 0.027ohm | 8mm | 10.2mm | 91T4886 | --- |
| ● EEH-ZA1E331P | 330μF | ±20% | 0.02ohm | 10mm | 10.2mm | 91T4888 | 0.90 |
| 25 V, 125 °C | | | | | | | |
| ● EEH-ZC1E330R | 33μF | ±20% | 0.08ohm | 5mm | 5.8mm | 91T4903 | 0.23 |
| ● EEH-ZC1E560P | 56μF | ±20% | 0.05ohm | 6.3mm | 5.8mm | 91T4905 | --- |
| ● EEH-ZC1E101XP | 100μF | ±20% | 0.03ohm | 6.3mm | 7.7mm | 91T4901 | --- |
| ● EEH-ZC1E221P | 220μF | ±20% | 0.027ohm | 8mm | 10.2mm | 91T4902 | --- |
| ● EEH-ZC1E331P | 330μF | ±20% | 0.02ohm | 10mm | 10.2mm | 91T4904 | --- |
| 35 V, 105 °C | | | | | | | |
| ● EEH-ZA1V220R | 22μF | ±20% | 0.1ohm | 5mm | 5.8mm | 91T4898 | --- |
| ● EEH-ZA1V270P | 27μF | ±20% | 0.08ohm | 6.3mm | 5.8mm | 58T1741 | --- |
| ● EEH-ZA1V470P | 47μF | ±20% | 0.08ohm | 6.3mm | 5.8mm | 58T1742 | 1.62 |
| ● EEH-ZA1V680XP | 68μF | ±20% | 0.035ohm | 6.3mm | 7.7mm | 91T4900 | --- |
| ● EEH-ZA1V151P | 150μF | ±20% | 0.027ohm | 8mm | 10.2mm | 91T4897 | --- |
| ● EEH-ZA1V271P | 270μF | ±20% | 0.02ohm | 10mm | 10.2mm | 91T4899 | 3.11 |
| 35 V, 125 °C | | | | | | | |
| ● EEH-ZC1V220R | 22μF | ±20% | 0.1ohm | 5mm | 5.8mm | 91T4916 | --- |
| ● EEH-ZC1V470P | 47μF | ±20% | 0.06ohm | 6.3mm | 5.8mm | 91T4918 | --- |
| ● EEH-ZC1V680XP | 68μF | ±20% | 0.035ohm | 6.3mm | 7.7mm | 91T4919 | 0.68 |
| ● EEH-ZC1V151P | 150μF | ±20% | 0.027ohm | 8mm | 10.2mm | 91T4915 | 0.92 |
| ● EEH-ZC1V271P | 270μF | ±20% | 0.02ohm | 10mm | 10.2mm | 91T4917 | --- |
| 50 V, 105 °C | | | | | | | |
| ● EEH-ZA1H100R | 10μF | ±20% | 0.12ohm | 5mm | 5.8mm | 91T4889 | --- |
| ● EEH-ZA1H220P | 22μF | ±20% | 0.1ohm | 6.3mm | 5.8mm | 58T1740 | --- |
| ● EEH-ZA1H330XP | 33μF | ±20% | 0.04ohm | 6.3mm | 7.7mm | 91T4891 | --- |
| ● EEH-ZA1H680P | 68μF | ±20% | 0.03ohm | 8mm | 10.2mm | 91T4892 | --- |
| ● EEH-ZA1H101P | 100μF | ±20% | 0.028ohm | 10mm | 10.2mm | 91T4890 | 3.67 |
| 50 V, 125 °C | | | | | | | |
| ● EEH-ZC1H100R | 10μF | ±20% | 0.12ohm | 5mm | 5.8mm | 91T4906 | --- |
| ● EEH-ZC1H220P | 22μF | ±20% | 0.08ohm | 6.3mm | 5.8mm | 91T4908 | --- |
| ● EEH-ZC1H330XP | 33μF | ±20% | 0.04ohm | 6.3mm | 7.7mm | 91T4909 | --- |
| ● EEH-ZC1H680P | 68μF | ±20% | 0.03ohm | 8mm | 10.2mm | 91T4910 | --- |
| ● EEH-ZC1H101P | 100μF | ±20% | 0.028ohm | 10mm | 10.2mm | 91T4907 | --- |
| 63 V, 105 °C | | | | | | | |
| ● EEH-ZA1J100P | 10μF | ±20% | 0.12ohm | 6.3mm | 5.8mm | 91T4893 | 0.19 |
| ● EEH-ZA1J220XP | 22μF | ±20% | 0.08ohm | 6.3mm | 7.7mm | 91T4894 | --- |
| ● EEH-ZA1J330P | 33μF | ±20% | 0.04ohm | 8mm | 10.2mm | 91T4895 | 0.77 |
| ● EEH-ZA1J560P | 56μF | ±20% | 0.03ohm | 10mm | 10.2mm | 91T4896 | --- |
| 63 V, 125 °C | | | | | | | |
| ● EEH-ZC1J100P | 10μF | ±20% | 0.12ohm | 6.3mm | 5.8mm | 91T4911 | --- |
| ● EEH-ZC1J220XP | 22μF | ±20% | 0.08ohm | 6.3mm | 7.7mm | 91T4912 | --- |
| ● EEH-ZC1J330P | 33μF | ±20% | 0.04ohm | 8mm | 10.2mm | 91T4913 | --- |
| ● EEH-ZC1J560P | 56μF | ±20% | 0.03ohm | 10mm | 10.2mm | 91T4914 | --- |
| 80 V, 105 °C | | | | | | | |
| ● EEH-ZA1K220P | 22μF | ±20% | 0.045ohm | 8mm | 10.2mm | 05X8463 | --- |
| ● EEH-ZA1K330P | 33μF | ±20% | 0.036ohm | 10mm | 10.2mm | 05X8464 | --- |

PIM_5465829

GENTEQ MOTOR RUN CAPACITORS



Oval



Round



- Specifications**
- High grade metallized polypropylene film
 - Tolerance: ±6%
 - Leakage Current: 30μA Max.
 - Frequency: 50/60 Hz
 - Operating Life: 60,000 Hours with 94% Survival
 - Dissipation Factor: 0.1% Max.
 - Operating Temperature: -40°C to +70°C
 - Unpainted Aluminum case, term plate steel cover

- 'Combo' terminal: 0.250" x 0.031" quick connect blades
- Case Style Guide:**
 - Round Case - All 97F prefix mfg. part nos excluding 97F5706 and 97F9002 which are round.
 - Oval Case - All 27L prefix mtg. part nos excluding 27L361 and 27L497 which are oval.



RoHS Compliant Available

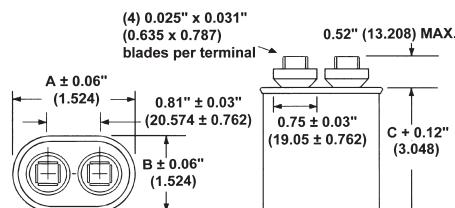
GENTEQ MOTOR RUN CAPACITORS (CONT.)

| CASE SIZE DIMENSIONS | K | J | A | B |
|----------------------|---------------|---------------|---------------|---------------|
| Round Case | | | | |
| P | 1.75" (44.45) | 1.88" (47.75) | 2.16" (54.86) | 1.31" (33.27) |
| Oval Case | | | | |
| S | 2.00" (50.80) | 2.12" (53.84) | 2.91" (73.91) | 2.81" (71.37) |
| T | 2.50" (63.50) | 2.62" (66.55) | ... | |

| Mfg. Part No. | Cap. | Tol. | Stock No. | Price Each |
|---|-------|------|-----------|------------|
| PP (Polypropylene), 370 V, -40 °C to 70 °C | | | | |
| ● 97F9001 | 7.5μF | ±6% | 13M4447 | 7.57 |
| PP (Polypropylene), 370 VAC, -40 °C to 70 °C | | | | |
| ● 97F5503 | 3μF | ±6% | 13M4405 | 6.38 |
| ● 27L571 | 4μF | ±6% | 49H7092 | 8.27 |
| ● 27L570 | 5μF | ±6% | 49H7088 | 6.86 |
| ● 97F5706 | 6μF | ±6% | 13M4407 | 7.03 |
| ● 27L566 | 7.5μF | ±6% | 96K4559 | 7.66 |
| ● 97F9002 | 10μF | ±6% | 13M4448 | 7.95 |
| ● 27L567 | 15μF | ±6% | 84M7464 | 13.59 |
| ● 97F9121 | 15μF | ±6% | 90B5615 | 15.04 |
| ● 97F9602 | 20μF | ±6% | 13M4456 | 14.44 |
| ● 97F9608 | 30μF | ±6% | 13M4457 | 18.82 |
| ● 97F5276 | 60μF | ±6% | 13M4400 | 29.15 |
| PP (Polypropylene), 440 VAC, -40 °C to 70 °C | | | | |
| ● 27L1025 | 6μF | ±6% | 39P6165 | 7.55 |
| ● 27L695 | 7.5μF | ±6% | 39P6211 | 8.77 |
| ● 97F9037 | 15μF | ±6% | 13M4450 | 13.80 |
| ● 97F9039 | 20μF | ±6% | 13M4452 | 17.67 |
| ● 97F9041 | 35μF | ±6% | 13M4454 | 19.50 |
| ● 97F5211 | 50μF | ±6% | 13M4398 | 18.05 |
| ● 97F9043 | 60μF | ±6% | 13M4455 | 37.24 |
| ● 97F5251 | 70μF | ±6% | 13M4399 | 31.84 |

PIM_163846

27L6000 SERIES METALIZED POLYPROPYLENE FILM AC CAPACITORS



- Termination: 0.25 x 0.31 Q.C. blades
- Leakage current: 30μA max
- Frequency 50/60Hz
- Dissipation factor: 0.1% max

Case Style Guide:

- A: 27L6095, 27L6093, 27L6094, 27L6092, 27L6013, 27L6014, 27L6015, 27L6016
- B: 27L6017, 27L6018
- C: 27L6073
- D: 27L6089, 27L6082, 27L6022, 27L6023

| CASE DIMENSIONS | A | B |
|------------------|-------|-------|
| Case Size | | |
| A | 2.16" | 1.31" |
| B | 2.69" | 1.56" |
| C | 2.91" | 1.91" |
| D | 3.66" | 1.97" |

| Mfg. Part No. | Cap. | Tol. | Stock No. | Price Each |
|---|-------|------|-----------|------------|
| PP (Polypropylene), 660 VAC, -40 °C to 70 °C | | | | |
| ● 27L6095 | 2μF | ±6% | 13M3908 | 7.93 |
| ● 27L6093 | 2.5μF | ±6% | 13M3907 | 8.90 |
| ● 27L6094 | 3μF | ±6% | 83H0241 | 9.09 |
| ● 27L6012 | 4μF | ±6% | 97F7851 | 6.52 |
| ● 27L6013 | 5μF | ±6% | 13M3899 | 13.06 |
| ● 27L6014 | 6μF | ±6% | 13M3900 | 13.35 |
| ● 27L6015 | 7μF | ±6% | 13M3901 | 12.21 |
| ● 27L6016 | 8μF | ±6% | 97F7855 | 12.45 |
| ● 27L6017 | 10μF | ±6% | 13M3902 | 13.41 |
| ● 27L6018 | 12μF | ±6% | 13M3903 | 20.63 |

► CONTINUED ►

► CONTINUED ►

27L6000 SERIES METALIZED POLYPROPYLENE FILM AC CAPACITORS (CONT.)

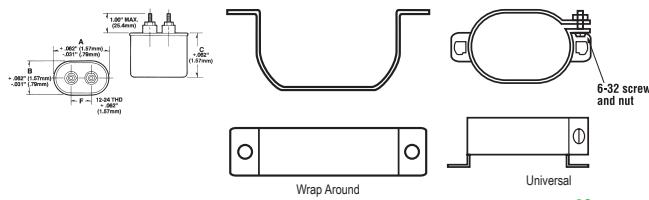
| Mfg. Part No. | Cap. | Tol. | Stock No. | Price Each |
|---|------|------|-----------|------------|
| PP (Polypropylene), 660 VAC, -40 °C to 70 °C | | | | |
| ● 27L6073 | 15μF | ±6% | 95C0416 | 12.39 |
| ● 27L6089 | 18μF | ±6% | 13M3906 | 23.23 |
| ● 27L6082 | 20μF | ±6% | 13M3905 | 30.02 |
| ● 27L6022 | 25μF | ±6% | 13M3904 | 23.50 |
| ● 27L6023 | 30μF | ±6% | 97F7862 | 27.92 |

PIM_7327

COMMUTATING CAPACITORS AND HARDWARE



ENERGIZING IDEAS



Features

- 40,000 Hour, 95% Minimum Survival at Full Rated Temperature and Volt-Amps
- Conforms to EIA RS401
- 1/4 x 20 Thread Studs for High Current
- Voltage Range: 200Vpk to 2000 Vpk

- Capacitance Range: 0.25 μF to 50 μF

RoHS Compliant Available

Specifications

- Tolerance: ±10%
- Operating Temperature: -40°C to +65°C; 80°C Surface Temperature

| Mfg. Part No. | Cap. | Tol. | Stock No. | Price Each |
|--|------|------|-----------|------------|
| Paper (MP), 1000 V, -40 °C to 65 °C | | | | |
| ● SCRIN23R-F | 1μF | ±10% | 21M9028 | 73.21 |
| ● SCRIN234R-F | 2μF | ±10% | 75M7813 | 31.74 |

Paper (MP), 1500 V, -40 °C to 65 °C

| | | | | |
|---------------|-------|------|---------|-------|
| ● SCRIN240R-F | 0.5μF | ±10% | 61M0215 | 21.26 |
| ● SCRIN241R-F | 1μF | ±10% | 21M6336 | 63.04 |
| ● SCRIN244R-F | 5μF | ±10% | 04M7006 | 55.29 |

Paper (MP), 2000 V, -40 °C to 65 °C

| | | | | |
|---------------|--------|------|---------|-------|
| ● SCRIN246R-F | 0.25μF | ±10% | 75M7818 | 24.70 |
| ● SCRIN247R-F | 0.5μF | ±10% | 55M6760 | 59.88 |
| ● SCRIN248R-F | 1μF | ±10% | 75M3089 | 56.17 |
| ● SCRIN253R-F | 5μF | ±10% | 23M2480 | 49.64 |

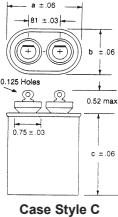
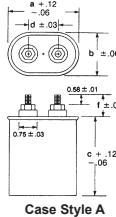
Paper (MP), 600 V, -40 °C to 65 °C

| | | | | |
|---------------|-----|------|---------|-------|
| ● SCRIN222R-F | 5μF | ±10% | 61M3649 | 59.00 |
|---------------|-----|------|---------|-------|

| Mfg. Part No. | Type | For Use With | Stock No. | Price Each |
|---------------|-----------------------------|--|-----------|------------|
| ● 30393-5 | Wraparound Mounting Bracket | 2.16" Base (CDEs A Case) Oval Capacitors | 72K7382 | 3.58 |
| ● 30393-9 | Wraparound Mounting Bracket | 2.91" Base (CDEs C Case) Oval Capacitors | 87F6850 | 3.44 |
| ● 32107-1 | Universal Mounting Bracket | 2.16" Base (CDEs A Case) Oval Capacitors | 90B7511 | 5.60 |
| ● OB3 | Wraparound Mounting Bracket | 3.66" Base (CDEs D Case) Oval Capacitors | 95F2826 | 3.39 |

PIM_7251

28F5000 SERIES SNUBBER CAPACITORS



Applications
● Power Semiconductor Circuit Protection: Limits Rate of Voltage Rise

Specifications
● Dielectric: Polypropylene with Foil Electrodes
● Dimensions for Case Style A: a=2.16", b=1.31"

All parts are case style A - please see Notes below for list of parts with 1/4-20 threaded terminal styles

- Dimensions for Case Style C: a=2.91", b=1.91"
- Note - MPNs with 1/4-20 threaded terminal styles:

- A28F5615S
- A28F5605S
- A28F5606S
- A28F5607S

► CONTINUED ►

28F5000 SERIES SNUBBER CAPACITORS (CONT.)

| Mfg. Part No. | Cap. | Tol. | Stock No. | Price Each |
|--|--------|------|-----------|------------|
| PP (Polypropylene), 1000 V, -40 °C to 70 °C | | | | |
| A28F5502S | 0.5μF | ±10% | 74R9393 | 54.83 |
| A28F5503S | 1μF | ±10% | 74R9394 | 57.65 |
| PP (Polypropylene), 2000 V, -40 °C to 70 °C | | | | |
| A28F5601S | 0.1μF | ±10% | 74R7914 | 38.69 |
| A28F5615S | 0.1μF | ±10% | 74R9401 | 97.16 |
| A28F5602S | 0.25μF | ±10% | 74R9396 | 43.57 |
| A28F5605S | 0.25μF | ±10% | 74R9399 | 93.52 |
| A28F5603S | 0.5μF | ±10% | 74R9397 | 39.30 |
| A28F5606S | 0.5μF | ±10% | 74R9400 | 109.92 |
| A28F5604S | 1μF | ±10% | 74R9398 | 45.04 |

PIM_7357

40L & 42L SERIES SNUBBER & HIGH-CURRENT DC CAPACITORS



40L Series Oval



42L Series Round

Features

- Polypropylene film dielectric
- Extended Electrode, Metal Spray and Contacts
- Electroplated Solid Copper Terminals Welded to Contacts
- Units Wrapped in Flame-Resistant Tape and End-Dipped with Polyurethane

Specifications

- Dissipation Factor: 0.1% max. @ 25°C, 1kHz
- Capacitance Tolerance: 40L Series ±10%; 42L Series ±5%
- Operating Temperature: 40L -55°C to +105°C; 42L -40°C to +85°C

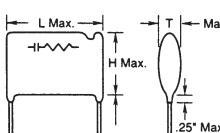
| Mfg. Part No. | Cap. | Tol. | Stock No. | Price Each |
|--|---------|------|-----------|------------|
| PP (Polypropylene), 2000 V, -40 °C to 85 °C | | | | |
| 42L3333 | 0.033μF | ±5% | 91B7933 | 11.40 |
| PP (Polypropylene), 400 V, -55 °C to 105 °C | | | | |
| ● 40L3472 | 0.47μF | ±10% | 13M3934 | 4.99 |
| ● 40L3682 | 0.68μF | ±10% | 94H6953 | 2.01 |
| ● 40L3101 | 1μF | ±10% | 13M3930 | 1.89 |
| ● 40L3221 | 2.2μF | ±10% | 13M3931 | 3.99 |
| ● 40L3331 | 3.3μF | ±10% | 13M3932 | 7.62 |
| ● 40L3471 | 4.7μF | ±10% | 13M3933 | 7.69 |
| ● 40L3681 | 6.8μF | ±10% | 14M6756 | 12.87 |
| PP (Polypropylene), 600 V, -55 °C to 105 °C | | | | |
| ● 40L6472 | 0.47μF | ±10% | 13M3938 | 2.89 |
| ● 40L6101 | 1μF | ±10% | 13M3935 | 4.33 |
| ● 40L6221 | 2.2μF | ±10% | 13M3937 | 17.04 |
| PP (Polypropylene), 850 V, -40 °C to 85 °C | | | | |
| ● 42L1151 | 1.5μF | ±5% | 66F8196 | 62.17 |

PIM_163805

Q/QRL SERIES QUENCHARC® METALLIZED POLYESTER FILM CAPACITOR ARC SUPPRESSOR/SNUBBER NETWORKS



Cornell Dubilier Electronics, Inc.



Features

- Metallized Polyester Construction in Series with a Carbon Composition Resistor
- Flame-Resistant, Epoxy-Coated Case

Applications

- Noise and Arc Suppression
- Relay Contact Protection
- Noise Reduction on Controllers/Drivers
- EMI/RFI reduction

Specifications

- Capacitance Tolerance: ±20%
- Resistance Tolerance: ±10%
- Resistor Power Rating: 1/2 W
- Voltage: 200 VDC to 600 VDC (125 VAC to 250 VAC)
- Operating Temperature: -55°C to +85°C
- Terminal diameter: 0.032"

| Mfg. Part No. | Cap. | Tol. | Res. | Tol. | Stock No. | Price Each |
|---------------------|-------|------|--------|------|-----------|------------|
| 125 V, 200 V | | | | | | |
| ● 104MACQRL150 | 0.1μF | ±20% | 150ohm | ±10% | 72K6758 | 10.60 |
| ● 504M02QA100 | 0.5μF | ±20% | 100ohm | ±10% | 16F3697 | 10.51 |
| ● 504M02QA220 | 0.5μF | ±20% | 220ohm | ±10% | 16F3698 | 11.41 |
| ● 105M02QB47 | 1μF | ±20% | 47ohm | ±10% | 72K6760 | 11.68 |

► CONTINUED ►

FILM CAPACITORS

Q/QRL SERIES QUENCHARC® METALLIZED POLYESTER FILM CAPACITOR ARC SUPPRESSOR/SNUBBER NETWORKS (CONT.)

| Mfg. Part No. | Cap. | Tol. | Res. | Tol. | Stock No. | Price Each 1-9+ |
|----------------------|--------|------|--------|------|-----------|--------------------|
| 250 V, 600 V | | | | | | |
| ● 104M06QC22 | 0.1μF | ±20% | 22ohm | ±10% | 16F3700 | 9.36 |
| ● 104M06QC47 | 0.1μF | ±20% | 47ohm | ±10% | 16F3701 | 9.33 |
| ● 104M06QC100 | 0.1μF | ±20% | 100ohm | ±10% | 72K6759 | 9.33 |
| ● 104M06QC150 | 0.1μF | ±20% | 150ohm | ±10% | 16F3703 | 10.04 |
| ● 254M06QD100 | 0.25μF | ±20% | 100ohm | ±10% | 71J0507 | 8.99 |
| ● 254M06QD150 | 0.25μF | ±20% | 150ohm | ±10% | 78K7151 | 7.35 |
| ● 504M06QE100 | 0.5μF | ±20% | 100ohm | ±10% | 50H7101 | 8.51 |
| 480 V, 1.2 KV | | | | | | |
| ● 104M48QH39 | 0.1μF | ±20% | 39ohm | ±10% | 88M9856 | 39.16 |

PIM_7224

MKP 338 SERIES INTERFERENCE SUPPRESSION X2 CAPACITORS

Miniature metallized polypropylene film capacitors are well-suited for use in electronic ballasts and SMPS. Voltage: 275 VAC. Operating temperature: 105°C max. Qualified in accordance to UL94V-0.



RoHS Compliant Available

| Mfg. Part No. | Cap. | Tol. | Stock No. | Price Each 1-9+ |
|---------------------------------------|---------|------|-----------|--------------------|
| X1, Radial Leaded, Long Leads | | | | |
| ● BFC233814104 | 0.1μF | ±20% | 03J6965 | 0.88 |
| ● BFC233814474 | 0.47μF | ±20% | 03J6973 | 5.25 |
| X1, Radial Leaded, Short Leads | | | | |
| ● BFC233810103 | 0.01μF | ±20% | 03J6942 | --- |
| ● BFC233810224 | 0.22μF | ±20% | 03J6946 | --- |
| X2, Radial Leaded, Long Leads | | | | |
| ● BFC233824223 | 0.022μF | ±20% | 96B2325 | --- |
| ● BFC233824104 | 0.1μF | ±20% | 96B2318 | 0.70 |
| ● BFC233824334 | 0.33μF | ±20% | 18M4057 | 1.05 |
| ● BFC233824105 | 1μF | ±20% | 18M4053 | 5.06 |
| X2, Radial Leaded, Short Leads | | | | |
| ● BFC233820332 | 3300pF | ±20% | 96B2284 | 0.64 |
| ● BFC233820472 | 4700pF | ±20% | 96B2288 | 1.00 |
| ● BFC233820103 | 0.01μF | ±20% | 96B2273 | 0.41 |
| ● BFC233820223 | 0.022μF | ±20% | 96B2281 | --- |
| ● BFC233820473 | 0.047μF | ±20% | 96B2289 | 0.75 |
| ● BFC233820104 | 0.1μF | ±20% | 74K3513 | 1.05 |
| ● BFC233822154 | 0.15μF | ±20% | 96B2300 | 1.20 |
| ● BFC233820474 | 0.47μF | ±20% | 96B2290 | --- |

PIM_4755

ECW-U(C) SERIES STACKED METALLIZED PEN FILM CHIP CAPACITORS

Panasonic

RoHS Compliant Available



- Coupling
- Bypass

| Mfg. Part No. | Cap. | Tol. | Stock No. | Tape Cut 1-9+ |
|--|----------|------|-----------|------------------|
| PEN (Polyethylene Naphthalate), 100 V, -40 °C to 85 °C | | | | |
| ● ECW-U1105KCV | 1μF | ±10% | 01M7591 | 1.07 |
| PEN (Polyethylene Naphthalate), 100 V, -55 °C to 125 °C | | | | |
| ● ECW-U1104KC9 | 0.1μF | ±10% | 53W8313 | 0.16 |
| PEN (Polyethylene Naphthalate), 16 V, -55 °C to 105 °C | | | | |
| ● ECW-U1C15JC9 | 0.15μF | ±5% | 53W3630 | --- |
| ● ECW-U1C224JC9 | 0.22μF | ±5% | 53W3631 | --- |
| ● ECW-U1C334JC9 | 0.33μF | ±5% | 53W3632 | 1.68 |
| ● ECW-U1C394JC9 | 0.39μF | ±5% | 53W3633 | --- |
| ● ECW-U1C474JC9 | 0.47μF | ±5% | 53W3634 | 0.52 |
| PEN (Polyethylene Naphthalate), 250 V, -55 °C to 125 °C | | | | |
| ● ECW-U2472KC9 | 0.0047μF | ±10% | 53W3637 | --- |
| ● ECW-U2473KC9 | 0.047μF | ±10% | 53W8315 | 0.45 |

► CONTINUED ►

ECW-U(C) SERIES STACKED METALLIZED PEN FILM CHIP CAPACITORS (CONT.)

| Mfg. Part No. | Cap. | Tol. | Stock No. | Tape Cut 1-9+ |
|--|--------|------|-----------|------------------|
| PET (Polyester), 100 V, -40 °C to 85 °C | | | | |
| ● ECW-U1474KCV | 0.47μF | ±10% | 01M7592 | --- |
| PET (Polyester), 250 V, -40 °C to 85 °C | | | | |
| ● ECW-U2105KCZ | 1μF | ±10% | 66W7848 | --- |

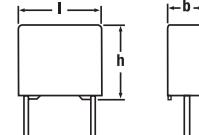
PIM_180496

METALLIZED POLYESTER FILM CAPACITORS

- Low-Inductive Wound Cell of Metallized (PETP) Film
- Epoxy Resin in a Flame-Retardant Case
- Radial Terminals of Solder-Coated Wire
- Rated Temperature: 85°C
- Max. Application Temperature: 105°C
- Reference Speculation: IEC 60384-2
- Applications: Blocking and Coupling, Bypass and Energy Reservoir



RoHS Compliant Available



| Mfg. Part No. | Cap. | Tol. | Stock No. | Tape Cut 1-9+ |
|---|---------|------|-----------|------------------|
| PET (Polyester), 100 V, 100 °C | | | | |
| ● BFC237321105 | 1μF | ±10% | 75M1979 | 0.21 |
| PET (Polyester), 100 V, -55 °C to 100 °C | | | | |
| ● BFC237021333 | 0.033μF | ±10% | 75M1974 | 0.14 |
| ● BFC237021473 | 0.047μF | ±10% | 75M1975 | 0.24 |
| PET (Polyester), 250 V, 100 °C | | | | |
| ● BFC237343224 | 0.22μF | ±10% | 18C5187 | 0.23 |
| ● BFC237343684 | 0.68μF | ±10% | 18M4163 | --- |
| ● BFC237343105 | 1μF | ±10% | 19M4804 | --- |
| ● BFC237343125 | 1.2μF | ±10% | 18C5182 | 0.88 |
| ● BFC237343225 | 2.2μF | ±10% | 18C5188 | 0.76 |
| ● BFC237343335 | 3.3μF | ±10% | 18C5192 | --- |
| PET (Polyester), 250 V, -55 °C to 105 °C | | | | |
| ● BFC237035103 | 0.01μF | ±10% | 18C4816 | 0.14 |
| ● BFC237035223 | 0.022μF | ±10% | 18C4821 | 0.07 |
| ● BFC237035333 | 0.033μF | ±10% | 18M4063 | --- |
| ● BFC237035104 | 0.1μF | ±10% | 18M4059 | 0.91 |
| ● BFC237343155 | 1.5μF | ±10% | 18C5184 | --- |
| ● BFC237343475 | 4.7μF | ±10% | 18C5196 | --- |
| ● BFC237035472 | 4700pF | ±10% | 18M4066 | 0.53 |
| ● BFC237035682 | 6800pF | ±10% | 18M4069 | 0.48 |
| PET (Polyester), 400 V, -55 °C to 100 °C | | | | |
| ● BFC237051332 | 3300pF | ±10% | 75M1977 | --- |
| PET (Polyester), 400 V, -55 °C to 105 °C | | | | |
| ● BFC237051103 | 0.01μF | ±10% | 03J9035 | --- |
| PET (Polyester), 63 V, -55 °C to 100 °C | | | | |
| ● BFC237075104 | 0.1μF | ±10% | 18C4894 | 0.27 |
| ● BFC237011104 | 0.1μF | ±10% | 75M1968 | 0.36 |
| ● BFC237011224 | 0.22μF | ±10% | 75M1970 | 0.60 |
| ● BFC237011334 | 0.33μF | ±10% | 75M1971 | --- |
| ● BFC237075105 | 1μF | ±10% | 18C4895 | 1.19 |
| PET (Polyester), 63 V, -55 °C to 105 °C | | | | |
| ● BFC237075154 | 0.15μF | ±10% | 18C4898 | --- |
| ● BFC237075224 | 0.22μF | ±10% | 18C4901 | 0.34 |
| ● BFC237075334 | 0.33μF | ±10% | 18M4090 | 0.21 |
| ● BFC237138105 | 1μF | ±10% | 18M4109 | --- |
| ● BFC237075155 | 1.5μF | ±10% | 18C4899 | --- |

PIM_68920

FIXED RESISTOR

HS SERIES ALUMINUM HOUSED POWER WIREWOUND RESISTORS



Features

- Wide resistance range
- High power dissipation
- Extremely stable

Applications

- Breaking or Balancing Resistor
- Capacitor charging & discharging

Crowbar

- Filter

Specifications

- Tolerance: $\pm 5\%$
- TCR: below 1000 = $\pm 50\text{ppm}/^\circ\text{C}$
- above 1000 = $\pm 30\text{ppm}/^\circ\text{C}$



| Mfg. Part No. | Resistance | Temperature Coefficient | Stock No. | Price Each 1-24+ |
|--------------------------|------------|-----------------------------------|-----------|---------------------|
| 100 W, 1.9 KV, $\pm 5\%$ | | | | |
| ● HSC1003R3J | 3.3ohm | $\pm 50\text{ppm}/^\circ\text{C}$ | 16R5380 | --- |
| 150 W, 1.9 KV, $\pm 5\%$ | | | | |
| ● HSC150470RJ | 470ohm | $\pm 30\text{ppm}/^\circ\text{C}$ | 51R2349 | --- |
| 200 W, 1.9 KV, $\pm 5\%$ | | | | |
| ● HSC2001R0J | 1ohm | $\pm 50\text{ppm}/^\circ\text{C}$ | 16R5435 | 28.13 |
| ● HSC2002R2J | 220hm | $\pm 50\text{ppm}/^\circ\text{C}$ | 16R5455 | 31.89 |
| ● HSC20047RJ | 47ohm | $\pm 50\text{ppm}/^\circ\text{C}$ | 16R5463 | --- |
| ● HSC200150RJ | 150ohm | $\pm 30\text{ppm}/^\circ\text{C}$ | 16R5446 | 30.29 |
| ● HSC200470RJ | 470ohm | $\pm 30\text{ppm}/^\circ\text{C}$ | 16R5464 | 23.16 |
| 250 W, 2.2 KV, $\pm 5\%$ | | | | |
| ● HSC250R47J | 0.47ohm | $\pm 50\text{ppm}/^\circ\text{C}$ | 01P0359 | --- |
| ● HSC2503R3J | 3.3ohm | $\pm 50\text{ppm}/^\circ\text{C}$ | 01P0366 | --- |
| ● HSC2504R7J | 4.7ohm | $\pm 50\text{ppm}/^\circ\text{C}$ | 01P0369 | --- |
| ● HSC2502R2J | 22ohm | $\pm 50\text{ppm}/^\circ\text{C}$ | 01P0364 | --- |
| ● HSC250220RJ | 220ohm | $\pm 30\text{ppm}/^\circ\text{C}$ | 01P0365 | --- |
| 300 W, 2.5 KV, $\pm 5\%$ | | | | |
| ● HSC3004R7J | 4.7ohm | $\pm 50\text{ppm}/^\circ\text{C}$ | 16R5513 | 32.14 |
| ● HSC3002R2J | 22ohm | $\pm 50\text{ppm}/^\circ\text{C}$ | 16R5503 | 43.02 |
| ● HSC300680RJ | 680hm | $\pm 30\text{ppm}/^\circ\text{C}$ | 06WX4785 | 43.02 |

PIM_177894

CRCW SERIES THICK FILM, 1% TOLERANCE RECTANGULAR CHIP RESISTORS



FEATURES

- High Volume Product Suitable for Commercial and Special Applications
- Metal Glaze on High Quality Ceramic
- Protective Overglaze
- Lead (Pb)-Free Solder Contacts on Ni Barrier Layer
- Pure Tin Plating Provides Compatibility with Lead (Pb)-Free and Lead Containing Soldering Processes
- Compatible with "Restriction of the use of Hazardous
- Excellent Stability ($\zeta R/R = 1\%$ for 1000 h at 70°C)

Many more 1% & 5% Tolerance Values are available. Go on line or call.

Available in Cut Tape and Full Reels.

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut 1-24+ |
|--------------------------------------|---------|------------------------------------|----------------|-----------|-------------------|
| 0201 [0603 Metric], 50 mW, $\pm 1\%$ | | | | | |
| ● CRCW020110K0FKED | 10kohm | $\pm 100\text{ppm}/\text{K}$ | 30V | 71R4422 | 0.28 |
| ● CRCW020120K0FKED | 20kohm | $\pm 100\text{ppm}/\text{K}$ | 30V | 63R7663 | 0.28 |
| 0402 [1005 Metric], 63 mW | | | | | |
| ● CRCW04020000Z0ED | 0ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6543 | --- |
| 0402 [1005 Metric], 63 mW, $\pm 1\%$ | | | | | |
| ● CRCW04021R00FKED | 1ohm | $\pm 100\text{ppm}/\text{K}$ | 50V | 52K5648 | 0.10 |
| ● CRCW04022R00FKED | 2ohm | $\pm 100\text{ppm}/\text{K}$ | 50V | 47P3315 | 0.10 |
| ● CRCW04022R32FKED | 2.2ohm | $\pm 100\text{ppm}/\text{K}$ | 50V | 16P3569 | 0.09 |
| ● CRCW04023R32FKED | 3.32ohm | $\pm 100\text{ppm}/\text{K}$ | 50V | 47P3361 | --- |
| ● CRCW04024R02FKED | 4.02ohm | $\pm 100\text{ppm}/\text{K}$ | 50V | 47P3384 | 0.13 |
| ● CRCW04024R70FKED | 4.7ohm | $\pm 100\text{ppm}/\text{K}$ | 50V | 47P3392 | 0.09 |
| ● CRCW04024R99FKED | 4.99ohm | $\pm 100\text{ppm}/\text{K}$ | 50V | 46M4461 | 0.10 |
| ● CRCW04025R10FKED | 5.1ohm | $\pm 100\text{ppm}/\text{K}$ | 50V | 47P3403 | 0.13 |
| ● CRCW040210R0FKED | 10ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6600 | --- |
| ● CRCW040215R0FKED | 15ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6714 | 0.09 |
| ● CRCW040220R0FKED | 20ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6821 | 0.01 |
| ● CRCW040224R9FKED | 24.9ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6879 | 0.10 |
| ● CRCW040233R2FKED | 33.2ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6980 | 0.13 |
| ● CRCW040237R4FKED | 37.4ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7016 | 0.00 |
| ● CRCW040249R9FKED | 49.9ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7114 | --- |
| ● CRCW040251R1FKED | 51.1ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7132 | 0.01 |
| ● CRCW040275R0FKED | 75ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7267 | 0.10 |
| ● CRCW0402100RFKED | 100hm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6609 | --- |
| ● CRCW0402124RFKED | 124ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6663 | --- |
| ● CRCW0402130RFKED | 130ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6679 | 0.10 |

► CONTINUED ►

CRCW SERIES THICK FILM, 1% TOLERANCE RECTANGULAR CHIP RESISTORS (CONT.)

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut |
|--|----------|------------------------------------|----------------|-----------|----------|
| 0402 [1005 Metric], 63 mW, $\pm 1\%$ | | | | | |
| ● CRCW0402150RFKED | 150ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6721 | 0.10 |
| ● CRCW0402200RFKED | 200ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6826 | --- |
| ● CRCW0402220RFKED | 220ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6853 | 0.01 |
| ● CRCW0402249RFKED | 249ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6886 | 0.10 |
| ● CRCW0402301RFKED | 301ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6960 | 0.10 |
| ● CRCW0402330RFKED | 330ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6981 | 0.13 |
| ● CRCW0402332RFKED | 332ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6984 | 0.01 |
| ● CRCW0402392RFKED | 392ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7033 | 0.00 |
| ● CRCW0402475RFKED | 475ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7103 | 0.10 |
| ● CRCW0402499RFKED | 499ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7117 | 0.04 |
| ● CRCW0402511RFKED | 511ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7136 | 0.01 |
| ● CRCW0402750RFKED | 750hm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7270 | 0.10 |
| ● CRCW04021K00FKED | 1kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6545 | --- |
| ● CRCW04021K21FKED | 1.21kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6559 | 0.00 |
| ● CRCW04021K50FKED | 1.5kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6575 | --- |
| ● CRCW04021K69FKED | 1.69kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6583 | --- |
| ● CRCW04022K00FKED | 2kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6788 | --- |
| ● CRCW04022K12FKED | 2.21kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6795 | 0.10 |
| ● CRCW04022K43FKED | 2.43kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6801 | --- |
| ● CRCW04022K49FKED | 2.49kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6803 | 0.13 |
| ● CRCW04023K01FKED | 3.01kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6935 | 0.01 |
| ● CRCW04024K02FKED | 4.02kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7034 | 0.13 |
| ● CRCW04024K64FKED | 4.64kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7044 | 0.13 |
| ● CRCW04024K70FKED | 4.7kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7045 | --- |
| ● CRCW04024K75FKED | 4.75kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7046 | 0.14 |
| ● CRCW04024K99FKED | 4.99kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7048 | 0.04 |
| ● CRCW04025K11FKED | 5.11kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7119 | 0.01 |
| ● CRCW04026K04FKED | 6.04kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7180 | 0.10 |
| ● CRCW04026K19FKED | 6.19kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7181 | 0.00 |
| ● CRCW04026K49FKED | 6.49kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7185 | 0.00 |
| ● CRCW04027K50FKED | 7.5kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7245 | 0.09 |
| ● CRCW04029K76FKED | 9.76kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7337 | 0.00 |
| ● CRCW040210K0FKED | 10kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6595 | --- |
| ● CRCW040211K0FKED | 11kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6621 | 0.01 |
| ● CRCW0402150K0FKED | 15kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6708 | --- |
| ● CRCW040220K0FKED | 20kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6817 | 0.03 |
| ● CRCW040222K0FKED | 22kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6843 | 0.01 |
| ● CRCW040224K3FKED | 24.3kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6874 | 0.00 |
| ● CRCW040230K1FKED | 30.1kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6954 | 0.01 |
| ● CRCW040236K5FKED | 36.5kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7007 | 0.00 |
| ● CRCW040239K2FKED | 39.2kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7028 | 0.00 |
| ● CRCW040240K2FKED | 40.2kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7049 | 0.10 |
| ● CRCW040247K0FKED | 47kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7097 | 0.01 |
| ● CRCW040247K5FKED | 47.5kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7100 | 0.01 |
| ● CRCW040249K9FKED | 49.9kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7113 | 0.01 |
| ● CRCW040256K2FKED | 56.2kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7159 | 0.01 |
| ● CRCW040271K5FKED | 71.5kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7250 | 0.00 |
| ● CRCW0402110K0FKED | 110kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6633 | 0.13 |
| ● CRCW0402150K0FKED | 150kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6719 | 0.13 |
| ● CRCW0402182KFKED | 182kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6765 | 0.00 |
| ● CRCW0402191KFKED | 191kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6780 | --- |
| ● CRCW0402200KFKED | 200kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6825 | 0.13 |
| ● CRCW0402249K9FKED | 249kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6884 | 0.13 |
| ● CRCW0402301KFKED | 301kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6959 | 0.01 |
| ● CRCW0402499KFKED | 499kohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K7116 | 0.01 |
| ● CRCW0402150M0FKED | 1Mohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6593 | --- |
| ● CRCW040210M0FKED | 10Mohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 50V | 52K6599 | 0.01 |

PIM_91199

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut |
|---|--------|------------------------------------|----------------|-----------|----------|
| 0805 [2012 Metric], 125 mW | | | | | |
| CRCW08050000ZSTA | 0ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 150V | 36C9353 | 0.13 |
| ● CRCW08050000Z0EB | 0ohm | ... | 150V | 48P9971 | 0.01 |
| 0805 [2012 Metric], 125 mW, $\pm 1\%$ | | | | | |
| ● CRCW08050000Z0EA | 0ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 150V | 52K9721 | 0.13 |
| ● CRCW08051R00FNEA | 1ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 150V | 52K9792 | 0.00 |
| ● CRCW080502R20FKEA | 2.2ohm | $\pm 100\text{ppm}/^\circ\text{C}$ | 150V | 52K9992 | 0.10 |

2

► CONTINUED ►

RESISTOR NETWORKS

2

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut 1-9+ |
|---|---------|-------------------|----------------|-----------|------------------|
| 0805 [2012 Metric], 125 mW, ± 1% | | | | | |
| ● CRCW08053R30FKEA | 3.3ohm | ±100ppm/K | 150V | 11J7895 | 0.00 |
| ● CRCW08055R10FKEA | 5.1ohm | ±100ppm/K | 150V | 47P3744 | 0.00 |
| ● CRCW08055R62FKEA | 5.62ohm | ±100ppm/°C | 150V | 53K0322 | 0.01 |
| ● CRCW08059R10FKEA | 9.1ohm | ±100ppm/K | 150V | 47P3764 | --- |
| ● CRCW080510R0FKEB | 10ohm | ±100ppm/K | 150V | 65J1344 | 0.17 |
| ● CRCW080510R0FKEA | 10ohm | ±100ppm/°C | 150V | 52K9804 | 0.10 |
| ● CRCW080515R0FKEA | 15ohm | ±100ppm/°C | 150V | 52K9888 | 0.10 |
| ● CRCW080518R2FKEA | 18.2ohm | ±100ppm/°C | 150V | 52K9927 | --- |
| ● CRCW080520R0FKEA | 20ohm | ±100ppm/°C | 150V | 52K9999 | 0.01 |
| ● CRCW080522R0FKEB | 22ohm | ±100ppm/K | 150V | 49P0664 | 0.17 |
| ● CRCW080522R1FKEA | 22.1ohm | ±100ppm/°C | 150V | 53K0023 | 0.00 |
| ● CRCW080524R9FKEA | 24.9ohm | ±100ppm/°C | 150V | 53K0046 | --- |
| ● CRCW080527R4FKEA | 27.4ohm | ±100ppm/°C | 150V | 53K0075 | --- |
| ● CRCW080530R1FKEA | 30.1ohm | ±100ppm/°C | 150V | 53K0141 | 0.00 |
| ● CRCW080533R0FKEA | 33ohm | ±100ppm/°C | 150V | 53K0161 | 0.00 |
| ● CRCW080533R2FKEA | 33.2ohm | ±100ppm/°C | 150V | 53K0162 | 0.01 |
| ● CRCW080540R2FKEA | 40.2ohm | ±100ppm/°C | 150V | 53K0245 | 0.01 |
| ● CRCW080547R0FKEA | 47ohm | ±100ppm/°C | 150V | 53K0279 | --- |
| ● CRCW080547R5FKEA | 47.5ohm | ±100ppm/°C | 150V | 53K0281 | 0.13 |
| ● CRCW080549R9FKEB | 49.9ohm | ±100ppm/K | 150V | 65J2103 | 0.17 |
| ● CRCW080549R9FKEA | 49.9ohm | ±100ppm/°C | 150V | 53K0293 | --- |
| CRCW080549R9FKTA | 49.9ohm | ±100ppm/°C | 150V | 05F1503 | --- |
| ● CRCW080551R0FKEA | 51ohm | ±100ppm/°C | 150V | 53K0328 | 0.13 |
| ● CRCW080551R1FKEA | 51.1ohm | ±100ppm/°C | 150V | 53K0329 | 0.13 |
| ● CRCW080560R4FKEA | 60.4ohm | ±100ppm/°C | 150V | 53K0403 | --- |
| ● CRCW080568R1FKEA | 68.1ohm | ±100ppm/°C | 150V | 53K0431 | --- |
| ● CRCW080575R0FKEA | 75ohm | ±100ppm/°C | 150V | 53K0467 | 0.09 |
| ● CRCW080578R7FKEA | 78.7ohm | ±100ppm/°C | 150V | 53K0475 | --- |
| ● CRCW080582R0FKEA | 82ohm | ±100ppm/°C | 150V | 53K0505 | 0.00 |
| ● CRCW080582R5FKEA | 82.5ohm | ±100ppm/°C | 150V | 53K0506 | 0.01 |
| ● CRCW080590R9FKEA | 90.9ohm | ±100ppm/°C | 150V | 53K0545 | 0.00 |
| CRCW0805100RFKTA | 100ohm | ±100ppm/°C | 150V | 05F1505 | 0.02 |
| ● CRCW0805100RFKEA | 100ohm | ±100ppm/°C | 150V | 52K9809 | --- |
| ● CRCW0805120RFKEA | 120ohm | ±100ppm/°C | 150V | 52K9845 | 0.01 |
| ● CRCW0805121RFKEA | 121ohm | ±100ppm/°C | 150V | 52K9848 | 0.01 |
| ● CRCW0805124RFKEA | 124ohm | ±100ppm/°C | 150V | 52K9850 | --- |
| ● CRCW0805130RFKEA | 130ohm | ±100ppm/°C | 150V | 52K9862 | 0.13 |
| ● CRCW0805150RFKEA | 150ohm | ±100ppm/°C | 150V | 52K9892 | 0.10 |
| ● CRCW0805165RFKEA | 165ohm | ±100ppm/°C | 150V | 52K9911 | --- |
| ● CRCW0805169RFKEA | 169ohm | ±100ppm/°C | 150V | 52K9913 | 0.01 |
| ● CRCW0805180RFKEA | 180ohm | ±100ppm/°C | 150V | 52K9930 | 0.00 |
| ● CRCW0805182RFKEA | 182ohm | ±100ppm/°C | 150V | 52K9932 | 0.00 |
| ● CRCW0805200RFKEA | 200ohm | ±100ppm/°C | 150V | 53K0006 | 0.13 |
| ● CRCW0805220RFKEA | 220ohm | ±100ppm/°C | 150V | 53K0026 | 0.09 |
| ● CRCW0805221RFKEA | 221ohm | ±100ppm/°C | 150V | 53K0029 | 0.01 |
| ● CRCW0805237RFKEA | 237ohm | ±100ppm/°C | 150V | 53K0039 | --- |
| ● CRCW0805240RFKEA | 240ohm | ±100ppm/°C | 150V | 53K0048 | 0.01 |
| ● CRCW0805243RFKEA | 243ohm | ±100ppm/°C | 150V | 53K0050 | 0.00 |
| ● CRCW0805249RFKEA | 249ohm | ±100ppm/°C | 150V | 53K0052 | 0.01 |
| ● CRCW0805267RFKEA | 267ohm | ±100ppm/°C | 150V | 53K0068 | 0.01 |
| ● CRCW0805270RFKEA | 270hm | ±100ppm/°C | 150V | 53K0077 | 0.01 |
| ● CRCW0805274RFKEA | 274ohm | ±100ppm/°C | 150V | 53K0079 | 0.00 |
| ● CRCW0805300RFKEA | 300ohm | ±100ppm/°C | 150V | 53K0144 | 0.01 |
| ● CRCW0805301RFKEA | 301ohm | ±100ppm/°C | 150V | 53K0146 | 0.01 |
| ● CRCW0805330RFKEA | 330hm | ±100ppm/°C | 150V | 53K0164 | 0.12 |
| ● CRCW0805332RFKEA | 332ohm | ±100ppm/°C | 150V | 53K0166 | 0.01 |
| ● CRCW0805348RFKEA | 348ohm | ±100ppm/°C | 150V | 53K0175 | --- |
| ● CRCW0805357RFKEA | 357ohm | ±100ppm/°C | 150V | 53K0180 | --- |
| ● CRCW0805365RFKEA | 365ohm | ±100ppm/°C | 150V | 53K0187 | --- |
| ● CRCW0805402RFKEA | 402ohm | ±100ppm/°C | 150V | 53K0247 | 0.13 |
| ● CRCW0805432RFKEA | 432ohm | ±100ppm/°C | 150V | 53K0265 | --- |
| ● CRCW0805470RFKEA | 470hm | ±100ppm/°C | 150V | 53K0284 | 0.13 |
| ● CRCW0805475RFKEA | 475ohm | ±100ppm/°C | 150V | 53K0286 | 0.13 |
| ● CRCW0805487RFKEA | 487ohm | ±100ppm/°C | 150V | 53K0290 | --- |
| ● CRCW0805499RFKEA | 499ohm | ±100ppm/K | 150V | 65J2108 | --- |
| ● CRCW0805499RFKEA | 499ohm | ±100ppm/°C | 150V | 53K0296 | 0.03 |
| ● CRCW0805510RFKEA | 510hm | ±100ppm/°C | 150V | 53K0332 | 0.01 |
| ● CRCW0805511RFKEA | 511ohm | ±100ppm/°C | 150V | 53K0335 | 0.13 |
| ● CRCW0805560RFKEA | 560hm | ±100ppm/°C | 150V | 53K0351 | 0.01 |
| ● CRCW0805620RFKEA | 620hm | ±100ppm/°C | 150V | 53K0413 | 0.00 |
| ● CRCW0805666RFKEA | 665ohm | ±100ppm/°C | 150V | 53K0427 | --- |
| ● CRCW0805681RFKEA | 681ohm | ±100ppm/°C | 150V | 53K0435 | 0.00 |

► CONTINUED ►

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut 1-9+ |
|---|----------|-------------------|----------------|-----------|------------------|
| 0805 [2012 Metric], 125 mW, ± 1% | | | | | |
| ● CRCW0805715RFKEA | 715ohm | ±100ppm/°C | 150V | 53K0461 | 0.01 |
| ● CRCW0805750RFKEA | 750ohm | ±100ppm/°C | 150V | 53K0470 | 0.01 |
| ● CRCW0805806RFKEA | 806ohm | ±100ppm/°C | 150V | 53K0501 | 0.01 |
| ● CRCW0805820RFKEA | 820ohm | ±100ppm/°C | 150V | 53K0509 | 0.01 |
| ● CRCW0805825RFKEA | 825ohm | ±100ppm/°C | 150V | 53K0512 | 0.00 |
| CRCW0805100FKTC | 1kohm | ±100ppm/K | 150V | 48P9976 | 0.01 |
| ● CRCW0805110FKEA | 1.1kohm | ±100ppm/°C | 150V | 52K9729 | --- |
| ● CRCW0805118FKEA | 1.18kohm | ±100ppm/°C | 150V | 52K9733 | --- |
| ● CRCW0805120FKEA | 1.2kohm | ±100ppm/°C | 150V | 52K9734 | 0.01 |
| ● CRCW0805124FKEA | 1.24kohm | ±100ppm/°C | 150V | 52K9736 | --- |
| ● CRCW0805133FKEA | 1.33kohm | ±100ppm/°C | 150V | 52K9739 | --- |
| ● CRCW0805147FKEA | 1.47kohm | ±100ppm/°C | 150V | 52K9743 | 0.13 |
| ● CRCW0805150FKEB | 1.5kohm | ±100ppm/K | 150V | 65J1295 | 0.00 |
| ● CRCW0805150FKEA | 1.5kohm | ±100ppm/°C | 150V | 52K9744 | 0.08 |
| ● CRCW0805162FKEA | 1.62kohm | ±100ppm/°C | 150V | 52K9749 | --- |
| ● CRCW0805165FKEA | 1.65kohm | ±100ppm/°C | 150V | 52K9750 | 0.00 |
| ● CRCW0805169FKEA | 1.69kohm | ±100ppm/°C | 150V | 52K9752 | 0.00 |
| ● CRCW0805180FKEA | 1.8kohm | ±100ppm/°C | 150V | 52K9754 | --- |
| ● CRCW0805196FKEA | 1.96kohm | ±100ppm/°C | 150V | 52K9758 | --- |
| ● CRCW0805200FKEB | 2kohm | ±100ppm/K | 150V | 65J1649 | 0.01 |
| ● CRCW0805202K00FKEA | 2kohm | ±100ppm/°C | 150V | 52K9945 | 0.00 |
| ● CRCW0805205K05FKEA | 2.05kohm | ±100ppm/°C | 150V | 52K9947 | 0.00 |
| ● CRCW0805215K15FKEA | 2.15kohm | ±100ppm/°C | 150V | 52K9950 | 0.00 |
| ● CRCW0805220K20FKEA | 2.2kohm | ±100ppm/°C | 150V | 52K9951 | 0.13 |
| ● CRCW0805221K21FKA | 2.21kohm | ±100ppm/°C | 150V | 91B4531 | 0.01 |
| ● CRCW0805221K21FKEA | 2.21kohm | ±100ppm/°C | 150V | 52K9952 | 0.01 |
| ● CRCW0805237K7FKEA | 2.37kohm | ±100ppm/°C | 150V | 52K9955 | --- |
| ● CRCW0805243K4FKEA | 2.43kohm | ±100ppm/°C | 150V | 52K9958 | 0.00 |
| ● CRCW0805249K49FKEA | 2.49kohm | ±100ppm/°C | 150V | 52K9959 | 0.01 |
| ● CRCW0805270K70FKEA | 2.7kohm | ±100ppm/°C | 150V | 52K9964 | 0.00 |
| ● CRCW0805274K74FKEA | 2.74kohm | ±100ppm/°C | 150V | 52K9965 | --- |
| ● CRCW0805280K80FKEA | 2.8kohm | ±100ppm/°C | 150V | 52K9966 | --- |
| ● CRCW0805300K00FKEA | 3kohm | ±100ppm/°C | 150V | 53K0091 | 0.01 |
| ● CRCW0805303K01FKEA | 3.01kohm | ±100ppm/°C | 150V | 53K0092 | 0.00 |
| ● CRCW0805316K05FKEA | 3.16kohm | ±100ppm/°C | 150V | 53K0095 | --- |
| ● CRCW0805330K30FKEA | 3.3kohm | ±100ppm/°C | 150V | 53K0097 | 0.01 |
| ● CRCW0805332K32FKEA | 3.32kohm | ±100ppm/°C | 150V | 53K0099 | 0.01 |
| ● CRCW0805348K48FKEA | 3.48kohm | ±100ppm/°C | 150V | 53K0101 | 0.00 |
| ● CRCW0805365K65FKEA | 3.65kohm | ±100ppm/°C | 150V | 53K0105 | 0.10 |
| ● CRCW0805374K74FKEA | 3.74kohm | ±100ppm/°C | 150V | 53K0106 | 0.01 |
| ● CRCW0805383K83FKEA | 3.83kohm | ±100ppm/°C | 150V | 53K0107 | --- |
| ● CRCW0805393K90FKEA | 3.9kohm | ±100ppm/°C | 150V | 53K0108 | 0.00 |
| ● CRCW0805392K92FKEA | 3.92kohm | ±100ppm/°C | 150V | 53K0109 | 0.01 |
| ● CRCW0805402K2FKEA | 4.02kohm | ±100ppm/°C | 150V | 53K0205 | 0.10 |
| ● CRCW0805430K30FKEA | 4.3kohm | ±100ppm/°C | 150V | 53K0210 | --- |
| ● CRCW0805442K42FKEA | 4.42kohm | ±100ppm/°C | 150V | 53K0212 | --- |
| CRCW0805470K70FKA | 4.7kohm | ±100ppm/°C | 150V | 25C1894 | 0.01 |
| ● CRCW0805470K70FKEA | 4.7kohm | ±100ppm/°C | 150V | 53K0215 | 0.01 |
| ● CRCW0805475K47FKEA | 4.75kohm | ±100ppm/°C | 150V | 53K0217 | 0.01 |
| ● CRCW0805487K87FKEA | 4.87kohm | ±100ppm/°C | 150V | 53K0218 | --- |
| ● CRCW0805494K99FKEA | 4.99kohm | ±100ppm/°C | 150V | 53K0219 | --- |
| CRCW0805500K00FTA | 5kohm | ±100ppm/K | 150V | 49H8224 | 0.02 |
| ● CRCW0805510K10FKEA | 5.1kohm | ±100ppm/°C | 150V | 53K0298 | 0.09 |
| ● CRCW0805511K11FKEA | 5.11kohm | ±100ppm/°C | 150V | 53K0300 | 0.10 |
| ● CRCW0805536K36FKEA | 5.36kohm | ±100ppm/°C | 150V | 53K0303 | --- |
| ● CRCW0805562K62FKEA | 5.62kohm | ±100ppm/°C | 150V | 53K0306 | 0.01 |
| ● CRCW0805563K90FKEA | 5.9kohm | ±100ppm/°C | 150V | 53K0308 | 0.00 |
| ● CRCW0805604K04FKEA | 6.04kohm | ±100ppm/°C | 150V | 53K0365 | 0.00 |
| ● CRCW0805616K19FKEA | 6.19kohm | ±100ppm/°C | 150V | 53K0366 | --- |
| ● CRCW0805620K20FKEA | 6.2kohm | ±100ppm/°C | 150V | 53K0368 | 0.01 |
| ● CRCW0805634K34FKEA | 6.34kohm | ±100ppm/°C | 150V | 53K0369 | 0.00 |
| ● CRCW0805680K80FKEA | 6.8kohm | ±100ppm/°C | 150V | 53K0372 | 0.00 |
| ● CRCW0805681K81FKEA | 6.81kohm | ±100ppm/°C | 150V | 53K0373 | 0.01 |
| ● CRCW0805698K98FKEA | 6.98kohm | ±100ppm/°C | 150V | 53K0374 | --- |
| ● CRCW0805715K15FKEA | 7.15kohm | ±100ppm/°C | 150V | 53K0440 | 0.00 |
| ● CRCW0805732K32FKEA | 7.32kohm | ±100ppm/°C | 150V | 53K0441 | --- |
| ● CRCW0805750K50FKEA | 7.5kohm | ±100ppm/°C | 150V | 53K0442 | 0.01 |

RESISTOR NETWORKS

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut |
|---|----------|-------------------|----------------|-----------|----------|
| | | | | | 1-9+ |
| 0805 [2012 Metric], 125 mW, ± 1% | | | | | |
| ● CRCW08059K31FKEA | 9.31kohm | ±100ppm/°C | 150V | 53K0529 | --- |
| ● CRCW08059K53FKEA | 9.53kohm | ±100ppm/°C | 150V | 53K0530 | --- |
| ● CRCW08059K76FKEA | 9.76kohm | ±100ppm/°C | 150V | 53K0532 | 0.01 |
| ● CRCW080510K7FKEA | 10.7kohm | ±100ppm/°C | 150V | 52K9800 | 0.00 |
| ● CRCW080511K0FKEA | 11kohm | ±100ppm/°C | 150V | 52K9818 | --- |
| ● CRCW080511K3FKEA | 11.3kohm | ±100ppm/°C | 150V | 52K9819 | 0.00 |
| ● CRCW080511K5FKEA | 11.5kohm | ±100ppm/°C | 150V | 52K9820 | 0.00 |
| ● CRCW080512K0FKEA | 12kohm | ±100ppm/°C | 150V | 52K9836 | 0.01 |
| ● CRCW080512K1FKEA | 12.1kohm | ±100ppm/°C | 150V | 52K9837 | --- |
| ● CRCW080512K4FKEA | 12.4kohm | ±100ppm/°C | 150V | 52K9838 | 0.00 |
| ● CRCW080512K7FKEA | 12.7kohm | ±100ppm/°C | 150V | 52K9839 | --- |
| ● CRCW080513K0FKEA | 13kohm | ±100ppm/°C | 150V | 52K9854 | 0.00 |
| ● CRCW080514K0FKEA | 14kohm | ±100ppm/°C | 150V | 52K9868 | 0.00 |
| ● CRCW080514K7FKEA | 14.7kohm | ±100ppm/°C | 150V | 52K9871 | --- |
| CRCW080515K0FKTA | 15kohm | ±100ppm/°C | 150V | 19C6518 | 0.15 |
| ● CRCW080515K0FKEA | 15kohm | ±100ppm/°C | 150V | 52K9882 | 0.01 |
| ● CRCW080515K8FKEA | 15.8kohm | ±100ppm/°C | 150V | 52K9886 | --- |
| ● CRCW080516K2FKEA | 16.2kohm | ±100ppm/°C | 150V | 52K9898 | 0.02 |
| ● CRCW080516K5FKEA | 16.5kohm | ±100ppm/°C | 150V | 52K9899 | --- |
| ● CRCW080516K9FKEA | 16.9kohm | ±100ppm/°C | 150V | 52K9900 | --- |
| ● CRCW080517K4FKEA | 17.4kohm | ±100ppm/°C | 150V | 52K9914 | --- |
| ● CRCW080518K0FKEA | 18kohm | ±100ppm/°C | 150V | 52K9923 | 0.00 |
| ● CRCW080518K2FKEA | 18.2kohm | ±100ppm/°C | 150V | 52K9924 | --- |
| ● CRCW080518K7FKEA | 18.7kohm | ±100ppm/°C | 150V | 52K9925 | --- |
| ● CRCW080519K6FKEA | 19.6kohm | ±100ppm/°C | 150V | 52K9937 | 0.00 |
| ● CRCW080520K0FKEB | 20kohm | ±100ppm/K | 150V | 65J1661 | 0.01 |
| ● CRCW080520K0FKEA | 20kohm | ±100ppm/°C | 150V | 52K9995 | --- |
| ● CRCW080521K0FKEA | 21kohm | ±100ppm/°C | 150V | 53K0010 | --- |
| ● CRCW080521K5FKEA | 21.5kohm | ±100ppm/°C | 150V | 53K0011 | 0.00 |
| ● CRCW080522K1FKEA | 22.1kohm | ±100ppm/°C | 150V | 53K0020 | 0.01 |
| ● CRCW080523K7FKEA | 23.7kohm | ±100ppm/°C | 150V | 53K0033 | 0.09 |
| ● CRCW080524K9FKEA | 24.9kohm | ±100ppm/°C | 150V | 53K0043 | 0.15 |
| ● CRCW080525K5FKEA | 25.5kohm | ±100ppm/°C | 150V | 53K0053 | --- |
| ● CRCW080527K0FKEA | 27kohm | ±100ppm/°C | 150V | 53K0071 | 0.00 |
| ● CRCW080527K4FKEA | 27.4kohm | ±100ppm/°C | 150V | 53K0073 | 0.00 |
| ● CRCW080528K0FKEA | 28kohm | ±100ppm/°C | 150V | 53K0080 | 0.00 |
| ● CRCW080529K4FKEA | 29.4kohm | ±100ppm/°C | 150V | 53K0087 | 0.00 |
| ● CRCW080530K0FKEA | 30kohm | ±100ppm/°C | 150V | 53K0136 | 0.01 |
| ● CRCW080530K1FKEA | 30.1kohm | ±100ppm/°C | 150V | 53K0137 | 0.00 |
| ● CRCW080533K0FKEA | 33kohm | ±100ppm/°C | 150V | 53K0158 | 0.00 |
| ● CRCW080533K2FKEA | 33.2kohm | ±100ppm/°C | 150V | 53K0159 | 0.01 |
| ● CRCW080534K8FKEA | 34.8kohm | ±100ppm/°C | 150V | 53K0168 | 0.00 |
| ● CRCW080536K5FKEA | 36.5kohm | ±100ppm/°C | 150V | 53K0182 | --- |
| ● CRCW080538K3FKEA | 38.3kohm | ±100ppm/°C | 150V | 53K0193 | --- |
| ● CRCW080539K0FKEA | 39kohm | ±100ppm/°C | 150V | 53K0197 | 0.01 |
| ● CRCW080539K2FKEA | 39.2kohm | ±100ppm/°C | 150V | 53K0198 | 0.00 |
| ● CRCW080541K2FKEA | 41.2kohm | ±100ppm/°C | 150V | 53K0248 | 0.00 |
| ● CRCW080547K0FKEA | 47kohm | ±100ppm/°C | 150V | 53K0277 | 0.10 |
| ● CRCW080547K5FKEA | 47.5kohm | ±100ppm/°C | 150V | 53K0278 | --- |
| ● CRCW080548K7FKEA | 48.7kohm | ±100ppm/°C | 150V | 53K0287 | --- |
| ● CRCW080549K0FKEB | 49.9kohm | ±100ppm/K | 150V | 65J2106 | --- |
| ● CRCW080549K9FKEA | 49.9kohm | ±100ppm/°C | 150V | 53K0291 | 0.01 |
| ● CRCW080551K0FKEA | 51kohm | ±100ppm/°C | 150V | 53K0326 | 0.00 |
| ● CRCW080551K1FKEA | 51.1kohm | ±100ppm/°C | 150V | 53K0327 | --- |
| ● CRCW080556K0FKEA | 56kohm | ±100ppm/°C | 150V | 53K0346 | 0.00 |
| ● CRCW080556K2FKEA | 56.2kohm | ±100ppm/°C | 150V | 53K0348 | --- |
| ● CRCW080559K0FKEA | 59kohm | ±100ppm/°C | 150V | 53K0361 | 0.00 |
| ● CRCW080560K4FKEA | 60.4kohm | ±100ppm/°C | 150V | 53K0402 | 0.00 |
| ● CRCW080566K5FKEA | 66.5kohm | ±100ppm/°C | 150V | 53K0424 | --- |
| ● CRCW080568K0FKEA | 68kohm | ±100ppm/°C | 150V | 53K0428 | 0.00 |
| ● CRCW080568K1FKEA | 68.1kohm | ±100ppm/°C | 150V | 53K0429 | 0.01 |
| ● CRCW080573K2FKEA | 73.2kohm | ±100ppm/°C | 150V | 53K0462 | 0.01 |
| ● CRCW080575K0FKEA | 75kohm | ±100ppm/°C | 150V | 53K0466 | 0.01 |
| ● CRCW080580K6FKEA | 80.6kohm | ±100ppm/°C | 150V | 53K0498 | 0.00 |
| ● CRCW080590K9FKEA | 90.9kohm | ±100ppm/°C | 150V | 53K0544 | 0.00 |
| ● CRCW080591K0FKEA | 91kohm | ±100ppm/°C | 150V | 53K0548 | --- |
| ● CRCW0805100KFKEB | 100kohm | ±100ppm/K | 150V | 65J1373 | 0.01 |
| ● CRCW0805105KFKEA | 105kohm | ±100ppm/°C | 150V | 52K9813 | --- |
| ● CRCW0805110KFKEA | 110kohm | ±100ppm/°C | 150V | 52K9827 | 0.00 |
| ● CRCW0805115KFKEA | 115kohm | ±100ppm/°C | 150V | 52K9832 | 0.00 |
| ● CRCW0805120KFKEA | 120kohm | ±100ppm/°C | 150V | 52K9843 | --- |
| ● CRCW0805121KFKEA | 121kohm | ±100ppm/°C | 150V | 52K9847 | --- |

► CONTINUED ►

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut |
|---|----------|-------------------|----------------|-----------|----------|
| | | | | | 1-9+ |
| 0805 [2012 Metric], 125 mW, ± 1% | | | | | |
| ● CRCW0805124KFKEA | 124kohm | ±100ppm/°C | 150V | 52K9849 | --- |
| ● CRCW0805130KFKEA | 130kohm | ±100ppm/°C | 150V | 52K9860 | 0.00 |
| ● CRCW0805137KFKEA | 137kohm | ±100ppm/°C | 150V | 52K9866 | --- |
| ● CRCW0805150KFKEA | 150kohm | ±100ppm/°C | 150V | 52K9891 | 0.10 |
| ● CRCW0805200KFKB | 200kohm | ±100ppm/K | 150V | 49P0626 | 0.01 |
| ● CRCW0805200KFKEA | 200kohm | ±100ppm/°C | 150V | 53K0004 | 0.13 |
| ● CRCW0805221KFKEA | 221kohm | ±100ppm/°C | 150V | 53K0028 | 0.00 |
| ● CRCW0805249KFKEA | 249kohm | ±100ppm/°C | 150V | 53K0051 | 0.10 |
| ● CRCW0805301KFKEA | 301kohm | ±100ppm/°C | 150V | 53K0145 | 0.00 |
| ● CRCW0805347KFKEA | 374kohm | ±100ppm/°C | 150V | 53K0191 | --- |
| ● CRCW0805475KFKEA | 475kohm | ±100ppm/°C | 150V | 53K0285 | 0.01 |
| ● CRCW0805499KFKA | 499kohm | ±100ppm/°C | 150V | 92B7209 | --- |
| ● CRCW0805499KFKEA | 499kohm | ±100ppm/°C | 150V | 53K0295 | 0.01 |
| ● CRCW0805681KFKEA | 681kohm | ±100ppm/°C | 150V | 53K0434 | --- |
| ● CRCW08051M00FKTB | 1Mohm | ±100ppm/K | 150V | 49P0051 | 0.01 |
| ● CRCW08051M50FKEA | 1.5Mohm | ±100ppm/°C | 150V | 42K4237 | --- |
| ● CRCW08052M00FKEA | 2Mohm | ±100ppm/°C | 150V | 42K4362 | 0.01 |
| ● CRCW08052M21FKEA | 2.21Mohm | ±100ppm/°C | 150V | 42K4364 | --- |
| ● CRCW08055M11KFKEA | 5.11Mohm | ±100ppm/°C | 150V | 53K0310 | --- |
| 0805 [2012 Metric], 125 mW, ± 5% | | | | | |
| ● CRCW0805100RJNTA | 100ohm | ±200ppm/K | 150V | 57K6355 | --- |
| ● CRCW08051K00JNEB | 1kohm | ±200ppm/K | 150V | 65J1337 | 0.00 |
| ● CRCW08051K00JNEA | 1kohm | ±200ppm/°C | 150V | 52K9725 | 0.10 |
| ● CRCW08052K20JNEB | 2.2kohm | ±200ppm/K | 150V | 65J1601 | --- |
| ● CRCW08052M70JNEB | 4.7kohm | ±200ppm/K | 150V | 65J2003 | 0.00 |
| ● CRCW080510K0JNEB | 10kohm | ±200ppm/K | 150V | 65J1362 | 0.00 |
| ● CRCW080510K0JNEA | 10kohm | ±200ppm/°C | 150V | 52K9797 | 0.01 |
| ● CRCW0805100KJNEB | 100kohm | ±200ppm/K | 150V | 65J1376 | 0.00 |
| PIM_5787647 | | | | | |
| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut |
| | | | | | 1-9+ |
| 0603 [1608 Metric], 100 mW | | | | | |
| ● CRCW06030000Z0EA | 0ohm | ±100ppm/°C | 75V | 52K8014 | --- |
| ● CRCW06030000ZSTA | 0ohm | ±100ppm/°C | 75V | 36C9017 | 0.15 |
| ● CRCW06030000ZSTB | 0ohm | ... | 75V | 48P7899 | 0.11 |
| 0603 [1608 Metric], 100 mW, ± 1% | | | | | |
| ● CRCW06031R00FNEA | 1ohm | ±100ppm/°C | 75V | 52K8061 | 0.01 |
| ● CRCW06031R50FKEA | 1.5ohm | ±100ppm/K | 75V | 21M8694 | --- |
| ● CRCW06032R00FNEA | 2ohm | ±100ppm/°C | 75V | 52K8258 | 0.00 |
| ● CRCW06032R00FKEA | 2ohm | ±100ppm/K | 75V | 53K7679 | 0.10 |
| ● CRCW06032R20FKEA | 2.2ohm | ±100ppm/K | 75V | 55M8178 | 0.00 |
| ● CRCW06033R00FKEA | 3ohm | ±100ppm/K | 75V | 86K8597 | 0.09 |
| ● CRCW06034R70FKEA | 4.7ohm | ±100ppm/K | 75V | 96M9097 | 0.00 |
| ● CRCW06034R75FKEA | 4.75ohm | ±100ppm/K | 75V | 42K3901 | --- |
| ● CRCW06034R99FKEA | 4.99ohm | ±100ppm/K | 75V | 64K0232 | 0.00 |
| ● CRCW06035R10FKEA | 5.1ohm | ±100ppm/K | 75V | 47P3603 | 0.00 |
| ● CRCW06035R11FKEA | 5.11ohm | ±100ppm/K | 75V | 47P3604 | 0.00 |
| ● CRCW06031R00FKEA | 10ohm | ±100ppm/°C | 75V | 52K8073 | --- |
| ● CRCW06031R01FKEB | 10ohm | ±100ppm/K | 75V | 43C4104 | 0.01 |
| ● CRCW06031R02FKEA | 10.2ohm | ±100ppm/°C | 75V | 52K8074 | --- |
| ● CRCW06031R11FKEA | 11ohm | ±100ppm/°C | 75V | 52K8089 | 0.00 |
| ● CRCW06031R15FKEA | 11.5ohm | ±100ppm/°C | 75V | 52K8092 | --- |
| ● CRCW06031R20FKEA | 12ohm | ±100ppm/°C | 75V | 52K8108 | --- |
| ● CRCW06031R50FKEA | 15ohm | ±100ppm/°C | 75V | 42K3723 | 0.09 |
| ● CRCW06031R65FKEA | 16.5ohm | ±100ppm/°C | 75V | 52K8175 | --- |
| ● CRCW06031R69R9FKEA | 16.9ohm | ±100ppm/°C | 75V | 52K8176 | --- |
| ● CRCW06031R74FKEA | 17.4ohm | ±100ppm/°C | 75V | 52K8189 | --- |
| ● CRCW06031R80R0FKEA | 18ohm | ±100ppm/°C | 75V | 52K8202 | 0.01 |
| ● CRCW06031R82R2FKEA | 18.2ohm | ±100ppm/°C | 75V | 52K8203 | --- |
| ● CRCW06031R96FKEA | 19.6ohm | ±100ppm/°C | 75V | 42K3757 | --- |
| ● CRCW06032R00FKEA | 20ohm | ±100ppm/°C | 75V | 52K8269 | 0.01 |
| ● CRCW06032R220FKEA | 22ohm | ±100ppm/°C | 75V | 52K8291 | 0.10 |
| ● CRCW06032R21FKEA | 22.1ohm | ±100ppm/°C | 75V | 52K8293 | 0.00 |
| ● CRCW06032R40FKEA | 24ohm | ±100ppm/°C | 75V | 52K8317 | 0.10 |
| ● CRCW06032R49R9FKEA | 24.9ohm | ±100ppm/°C | 75V | 52K8320 | 0.01 |
| ● CRCW06032R61FKEA | 26.1ohm | ±100ppm/°C | 75V | 52K8335 | --- |
| ● CRCW06032R70FKEA | 27ohm | ±100ppm/°C | 75V | 52K8347 | 0.01 |
| ● CRCW06032R74FKEA | 27.4ohm | ±100ppm/°C | 75V | 52K8349 | 0.00 |
| ● CRCW06033R00FKEA | 30ohm | ±100ppm/°C | 75V | 52K8404 | --- |
| ● CRCW060330R1FKEA | 30.1ohm | ±100ppm/°C | 75V | 52K8406 | 0.00 |

► CONTINUED ►

RESISTOR NETWORKS

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut 1-9+ |
|---|----------|-------------------|----------------|-----------|------------------|
| 0603 [1608 Metric], 100 mW, ± 1% | | | | | |
| ● CRCW060331R6FKEA | 31.6ohm | ±100ppm/°C | 75V | 52K8418 | 0.00 |
| ● CRCW060333R0FKEA | 33ohm | ±100ppm/°C | 75V | 52K8429 | 0.10 |
| ● CRCW060333R2FKEA | 33.2ohm | ±100ppm/°C | 75V | 52K8430 | 0.10 |
| ● CRCW060334R0FKEA | 34ohm | ±100ppm/°C | 75V | 52K8439 | --- |
| ● CRCW060337R4FKEA | 37.4ohm | ±100ppm/°C | 75V | 52K8463 | --- |
| ● CRCW060339R0FKEA | 39ohm | ±100ppm/°C | 75V | 52K8476 | 0.00 |
| ● CRCW060339R2FKEA | 39.2ohm | ±100ppm/°C | 75V | 52K8478 | --- |
| ● CRCW060349R9FKEB | 49.9ohm | ±100ppm/K | 75V | 43C4442 | 0.01 |
| ● CRCW060380R6FKEA | 80.6ohm | ±100ppm/°C | 75V | 52K8733 | --- |
| ● CRCW060382R0FKEA | 82ohm | ±100ppm/°C | 75V | 52K8738 | 0.00 |
| ● CRCW060382R5FKEA | 82.5ohm | ±100ppm/°C | 75V | 52K8740 | 0.00 |
| ● CRCW060384R5FKEA | 84.5ohm | ±100ppm/°C | 75V | 52K8748 | --- |
| ● CRCW060386R6FKEA | 86.6ohm | ±100ppm/°C | 75V | 52K8752 | --- |
| ● CRCW060390R9FKEA | 90.9ohm | ±100ppm/°C | 75V | 52K8766 | 0.00 |
| ● CRCW060391R0FKEA | 91ohm | ±100ppm/°C | 75V | 52K8773 | --- |
| ● CRCW0603100RFKEA | 100ohm | ±100ppm/°C | 75V | 52K8078 | 0.00 |
| CRCW0603100RFKTA | 100ohm | ±100ppm/°C | 75V | 66F9065 | 0.14 |
| ● CRCW0603105RFKEA | 105ohm | ±100ppm/°C | 75V | 52K8083 | --- |
| ● CRCW0603110RFKEA | 110ohm | ±100ppm/°C | 75V | 52K8095 | 0.10 |
| ● CRCW0603150RFKEB | 150ohm | ±100ppm/K | 75V | 48P8390 | --- |
| ● CRCW0603330RFKEB | 330ohm | ±100ppm/K | 75V | 48P9084 | 0.10 |
| ● CRCW0603412RFKEA | 412ohm | ±100ppm/°C | 75V | 52K8517 | 0.00 |
| ● CRCW0603536RFKEA | 536ohm | ±100ppm/°C | 75V | 52K8609 | --- |
| ● CRCW0603681RFKEA | 681ohm | ±100ppm/°C | 75V | 52K8687 | --- |
| ● CRCW06031K00FKEA | 1kohm | ±100ppm/°C | 75V | 52K8015 | 0.12 |
| CRCW06031K00FKTA | 1kohm | ±100ppm/°C | 75V | 66F9079 | 0.14 |
| ● CRCW06031K02FKEA | 1.02kohm | ±100ppm/°C | 75V | 52K8019 | 0.00 |
| ● CRCW06031K05FKEA | 1.05kohm | ±100ppm/°C | 75V | 52K8020 | 0.01 |
| ● CRCW06031K07FKEA | 1.07kohm | ±100ppm/°C | 75V | 52K8021 | 0.00 |
| ● CRCW06031K13FKEA | 1.13kohm | ±100ppm/°C | 75V | 52K8022 | 0.00 |
| ● CRCW06031K18FKEA | 1.18kohm | ±100ppm/°C | 75V | 52K8024 | 0.01 |
| ● CRCW06031K20FKEA | 1.2kohm | ±100ppm/°C | 75V | 52K8025 | 0.00 |
| ● CRCW06031K21FKEA | 1.21kohm | ±100ppm/°C | 75V | 52K8027 | 0.01 |
| ● CRCW06031K30FKEA | 1.3kohm | ±100ppm/°C | 75V | 52K8031 | 0.10 |
| ● CRCW06031K33FKEA | 1.33kohm | ±100ppm/°C | 75V | 52K8033 | 0.00 |
| ● CRCW06031K43FKEA | 1.43kohm | ±100ppm/°C | 75V | 52K8035 | 0.00 |
| ● CRCW06031K50FKEA | 1.5kohm | ±100ppm/°C | 75V | 52K8036 | --- |
| ● CRCW06031K54FKEA | 1.54kohm | ±100ppm/°C | 75V | 52K8038 | 0.00 |
| ● CRCW06031K60FKEA | 1.6kohm | ±100ppm/°C | 75V | 52K8040 | 0.09 |
| ● CRCW06031K65FKEA | 1.65kohm | ±100ppm/°C | 75V | 52K8043 | 0.00 |
| ● CRCW06031K69FKEA | 1.69kohm | ±100ppm/°C | 75V | 52K8044 | 0.00 |
| ● CRCW06031K74FKEA | 1.74kohm | ±100ppm/°C | 75V | 52K8045 | 0.00 |
| ● CRCW06031K78FKEA | 1.78kohm | ±100ppm/°C | 75V | 42K3651 | 0.00 |
| ● CRCW06031K80FKEA | 1.8kohm | ±100ppm/°C | 75V | 52K8047 | 0.01 |
| ● CRCW06031K82FKEA | 1.82kohm | ±100ppm/°C | 75V | 52K8048 | 0.00 |
| ● CRCW06031K87FKEA | 1.87kohm | ±100ppm/°C | 75V | 52K8049 | 0.10 |
| ● CRCW06031K91FKEA | 1.91kohm | ±100ppm/°C | 75V | 52K8050 | 0.00 |
| ● CRCW06031K96FKEA | 1.96kohm | ±100ppm/°C | 75V | 52K8051 | 0.00 |
| ● CRCW06032K00FKEA | 2kohm | ±100ppm/°C | 75V | 52K8223 | 0.45 |
| ● CRCW06032K05FKEA | 2.05kohm | ±100ppm/°C | 75V | 52K8225 | --- |
| ● CRCW06032K10FKEA | 2.1kohm | ±100ppm/°C | 75V | 52K8226 | 0.00 |
| ● CRCW06032K15FKEA | 2.15kohm | ±100ppm/°C | 75V | 52K8227 | 0.01 |
| ● CRCW06032K20FKEA | 2.2kohm | ±100ppm/°C | 75V | 52K8228 | 0.10 |
| ● CRCW06032K20FKEB | 2.2kohm | ±100ppm/K | 75V | 48P8511 | 0.00 |
| ● CRCW06032K21FKEA | 2.21kohm | ±100ppm/°C | 75V | 52K8229 | --- |
| ● CRCW06032K26FKEA | 2.26kohm | ±100ppm/°C | 75V | 52K8231 | 0.00 |
| ● CRCW06032K37FKEA | 2.37kohm | ±100ppm/°C | 75V | 52K8232 | 0.00 |
| ● CRCW06032K40FKEA | 2.4kohm | ±100ppm/°C | 75V | 52K8233 | --- |
| ● CRCW06032K43FKEA | 2.43kohm | ±100ppm/°C | 75V | 52K8235 | 0.00 |
| ● CRCW06032K49FKEA | 2.49kohm | ±100ppm/°C | 75V | 52K8236 | 0.01 |
| ● CRCW06032K55FKEA | 2.55kohm | ±100ppm/°C | 75V | 52K8237 | 0.00 |
| ● CRCW06032K61FKEA | 2.61kohm | ±100ppm/°C | 75V | 52K8239 | 0.00 |
| ● CRCW06032K67FKEA | 2.67kohm | ±100ppm/°C | 75V | 52K8241 | 0.00 |
| ● CRCW06032K70FKEA | 2.7kohm | ±100ppm/°C | 75V | 52K8242 | --- |
| ● CRCW06032K74FKEA | 2.74kohm | ±100ppm/°C | 75V | 52K8244 | --- |
| ● CRCW06032K80FKEA | 2.8kohm | ±100ppm/°C | 75V | 52K8245 | 0.00 |
| ● CRCW06032K87FKEA | 2.87kohm | ±100ppm/°C | 75V | 52K8246 | 0.00 |
| ● CRCW06033K00FKEA | 3kohm | ±100ppm/°C | 75V | 52K8368 | 0.01 |
| ● CRCW06033K01FKEA | 3.01kohm | ±100ppm/°C | 75V | 52K8370 | 0.01 |
| ● CRCW06033K09FKEA | 3.09kohm | ±100ppm/°C | 75V | 52K8372 | 0.10 |
| ● CRCW06033K16FKEA | 3.16kohm | ±100ppm/°C | 75V | 52K8374 | 0.00 |
| ● CRCW06033K24FKEA | 3.24kohm | ±100ppm/°C | 75V | 52K8375 | 0.01 |

► CONTINUED ►

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut 1-9+ |
|---|----------|-------------------|----------------|-----------|------------------|
| 0603 [1608 Metric], 100 mW, ± 1% | | | | | |
| ● CRCW06033K30FKEA | 3.3kohm | ±100ppm/°C | 75V | 52K8376 | 0.01 |
| ● CRCW06033K32FKEA | 3.32kohm | ±100ppm/°C | 75V | 52K8379 | 0.09 |
| ● CRCW06033K40FKEA | 3.4kohm | ±100ppm/°C | 75V | 52K8380 | --- |
| ● CRCW06033K48FKEA | 3.48kohm | ±100ppm/°C | 75V | 52K8381 | 0.00 |
| ● CRCW06033K60FKEA | 3.6kohm | ±100ppm/°C | 75V | 52K8383 | 0.10 |
| ● CRCW06033K65FKEA | 3.65kohm | ±100ppm/°C | 75V | 52K8385 | 0.00 |
| ● CRCW06033K74FKEA | 3.74kohm | ±100ppm/°C | 75V | 52K8387 | 0.00 |
| ● CRCW06033K90FKEA | 3.9kohm | ±100ppm/°C | 75V | 52K8389 | --- |
| ● CRCW06033K92FKEA | 3.92kohm | ±100ppm/°C | 75V | 52K8390 | 0.01 |
| ● CRCW06034K02FKEA | 4.02kohm | ±100ppm/°C | 75V | 52K8483 | 0.01 |
| ● CRCW06034K12FKEA | 4.12kohm | ±100ppm/°C | 75V | 52K8485 | 0.00 |
| ● CRCW06034K22FKEA | 4.22kohm | ±100ppm/°C | 75V | 42K3893 | --- |
| ● CRCW06034K32FKEA | 4.32kohm | ±100ppm/°C | 75V | 52K8487 | 0.01 |
| ● CRCW06034K53FKEA | 4.53kohm | ±100ppm/°C | 75V | 52K8490 | 0.00 |
| ● CRCW06034K70FKEA | 4.7kohm | ±100ppm/°C | 75V | 52K8494 | --- |
| ● CRCW06034K75FKEA | 4.75kohm | ±100ppm/°C | 75V | 52K8497 | --- |
| ● CRCW06034K87FKEA | 4.87kohm | ±100ppm/°C | 75V | 52K8498 | 0.00 |
| ● CRCW06034K99FKEA | 4.99kohm | ±100ppm/°C | 75V | 52K8500 | 0.13 |
| ● CRCW06034K99FKEB | 4.99kohm | ±100ppm/K | 75V | 43C4391 | 0.00 |
| ● CRCW06035K10FKEA | 5.1kohm | ±100ppm/°C | 75V | 52K8571 | 0.01 |
| ● CRCW06035K11FKEA | 5.11kohm | ±100ppm/°C | 75V | 52K8573 | 0.01 |
| ● CRCW06035K23FKEA | 5.23kohm | ±100ppm/°C | 75V | 52K8575 | 0.00 |
| ● CRCW06035K49FKEA | 5.49kohm | ±100ppm/°C | 75V | 52K8577 | 0.09 |
| ● CRCW06035K60FKEA | 5.6kohm | ±100ppm/°C | 75V | 52K8578 | --- |
| ● CRCW06035K76FKEA | 5.76kohm | ±100ppm/°C | 75V | 52K8580 | 0.01 |
| ● CRCW06035K90FKEA | 5.9kohm | ±100ppm/°C | 75V | 52K8581 | 0.00 |
| ● CRCW06036K04FKEA | 6.04kohm | ±100ppm/°C | 75V | 52K8634 | 0.09 |
| ● CRCW06036K19FKEA | 6.19kohm | ±100ppm/°C | 75V | 52K8635 | --- |
| ● CRCW06036K49FKEA | 6.49kohm | ±100ppm/°C | 75V | 52K8637 | 0.00 |
| ● CRCW06036K80FKEA | 6.8kohm | ±100ppm/°C | 75V | 52K8640 | 0.01 |
| ● CRCW06036K86FKEA | 6.81kohm | ±100ppm/°C | 75V | 52K8641 | 0.00 |
| ● CRCW06036K98FKEA | 6.98kohm | ±100ppm/°C | 75V | 42K3980 | --- |
| ● CRCW06037K15FKEA | 7.15kohm | ±100ppm/°C | 75V | 52K8693 | 0.00 |
| ● CRCW06037K32FKEA | 7.32kohm | ±100ppm/°C | 75V | 52K8695 | 0.00 |
| ● CRCW06037K50FKEA | 7.5kohm | ±100ppm/°C | 75V | 52K8696 | 0.01 |
| ● CRCW06037K68FKEA | 7.68kohm | ±100ppm/°C | 75V | 52K8697 | 0.10 |
| ● CRCW06037K87FKEA | 7.87kohm | ±100ppm/°C | 75V | 52K8698 | 0.00 |
| ● CRCW06038K06FKEA | 8.06kohm | ±100ppm/°C | 75V | 52K8722 | 0.10 |
| ● CRCW06038K20FKEA | 8.2kohm | ±100ppm/°C | 75V | 52K8724 | 0.10 |
| ● CRCW06038K25FKEA | 8.25kohm | ±100ppm/°C | 75V | 52K8726 | 0.00 |
| ● CRCW06038K45FKEA | 8.45kohm | ±100ppm/°C | 75V | 52K8728 | 0.00 |
| ● CRCW06038K66FKEA | 8.66kohm | ±100ppm/°C | 75V | 52K8729 | 0.00 |
| ● CRCW06039K09FKEA | 9.09kohm | ±100ppm/°C | 75V | 52K8759 | 0.00 |
| ● CRCW06039K10FKEA | 9.1kohm | ±100ppm/°C | 75V | 52K8760 | 0.00 |
| ● CRCW06039K31FKEA | 9.31kohm | ±100ppm/°C | 75V | 52K8762 | 0.00 |
| ● CRCW06039K53FKEA | 9.53kohm | ±100ppm/°C | 75V | 52K8763 | 0.01 |
| ● CRCW06039K76FKEA | 9.76kohm | ±100ppm/°C | 75V | 52K8764 | 0.10 |
| ● CRCW06031K00FKEA | 10kohm | ±100ppm/°C | 75V | 52K8062 | --- |
| CRCW06031K00FKTA | 10kohm | ±100ppm/°C | 75V | 66F9086 | 0.02 |
| ● CRCW06031K010FKEB | 10kohm | ±100ppm/°C | 75V | 26R4043 | 0.10 |
| CRCW06031K010FKTA | 10kohm | ±100ppm/K | 75V | 25H9887 | --- |
| ● CRCW06031K02FKEA | 10.2kohm | ±100ppm/°C | 75V | 52K8067 | 0.00 |
| ● CRCW06031K07FKEA | 10.7kohm | ±100ppm/°C | 75V | 52K8069 | 0.00 |
| ● CRCW06031K15FKEA | 11.5kohm | ±100ppm/°C | 75V | 52K8087 | 0.00 |
| ● CRCW06031K18FKEA | 11.8kohm | ±100ppm/°C | 75V | 52K8088 | 0.00 |
| ● CRCW06031K20FKEA | 12kohm | ±100ppm/°C | 75V | 52K8103 | 0.01 |
| ● CRCW06031K21FKEA | 12.1kohm | ±100ppm/°C | 75V | 52K8105 | 0.01 |
| ● CRCW06031K24FKEA | 12.4kohm | ±100ppm/°C | 75V | 52K8106 | 0.01 |
| ● CRCW06031K27FKEA | 12.7kohm | ±100ppm/°C | 75V | 52K8107 | 0.01 |
| ● CRCW06031K30FKEA | 13kohm | ±100ppm/°C | 75V | 52K8121 | 0.00 |
| ● CRCW06031K33K3FKEA | 13.3kohm | ±100ppm/°C | 75V | 52K8122 | 0.10 |
| ● CRCW06031K40FKEA | 14kohm | ±100ppm/°C | 75V | 52K8133 | --- |
| ● CRCW06031K43FKEA | 14.3kohm | ±100ppm/°C | 75V | 52K8135 | 0.01 |
| ● CRCW06031K47FKEA | 14.7kohm | ±100ppm/°C | 75V | 52K8136 | 0.10 |
| ● CRCW06031K50FKEA | 15kohm | ±100ppm/°C | 75V | 52K8151 | --- |
| ● CRCW06031K54FKEA | 15.4kohm | ±100ppm/°C | 75V | 52K8152 | --- |
| ● CRCW06031K58FKEA | 15.8kohm | ±100ppm/°C | 75V | 52K8154 | 0.00 |
| ● CRCW06031K60FKEA | 16.2kohm | ±100ppm/°C | | | |

RESISTOR NETWORKS

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut 1-9+ |
|---|----------|-------------------|----------------|-----------|------------------|
| 0603 [1608 Metric], 100 mW, ± 1% | | | | | |
| ● CRCW060317K8FKEA | 17.8kohm | ±100ppm/°C | 75V | 52K8187 | 0.00 |
| ● CRCW060318K0FKEA | 18kohm | ±100ppm/°C | 75V | 52K8198 | 0.00 |
| ● CRCW060318K2FKEA | 18.2kohm | ±100ppm/°C | 75V | 52K8200 | 0.01 |
| ● CRCW060318K7FKEA | 18.7kohm | ±100ppm/°C | 75V | 52K8201 | 0.01 |
| ● CRCW060319K1FKEA | 19.1kohm | ±100ppm/°C | 75V | 52K8213 | 0.00 |
| ● CRCW060319K6FKEA | 19.6kohm | ±100ppm/°C | 75V | 52K8214 | 0.00 |
| ● CRCW060320K0FKEA | 20kohm | ±100ppm/°C | 75V | 52K8267 | 0.12 |
| ● CRCW060320K0FKEE | 20kohm | ±100ppm/K | 75V | 43C4227 | 0.00 |
| ● CRCW060320K5FKEA | 20.5kohm | ±100ppm/°C | 75V | 52K8268 | 0.01 |
| ● CRCW060321K0FKEA | 21kohm | ±100ppm/°C | 75V | 52K8277 | 0.00 |
| ● CRCW060321K5FKEA | 21.5kohm | ±100ppm/°C | 75V | 52K8278 | --- |
| ● CRCW060322K0FKEA | 22kohm | ±100ppm/°C | 75V | 52K8286 | 0.01 |
| ● CRCW060322K1FKEA | 22.1kohm | ±100ppm/°C | 75V | 52K8288 | 0.01 |
| ● CRCW060322K6FKEA | 22.6kohm | ±100ppm/°C | 75V | 52K8290 | 0.00 |
| ● CRCW060323K2FKEA | 23.2kohm | ±100ppm/°C | 75V | 52K8305 | 0.00 |
| ● CRCW060323K7FKEA | 23.7kohm | ±100ppm/°C | 75V | 52K8306 | 0.00 |
| ● CRCW060324K0FKEA | 24kohm | ±100ppm/°C | 75V | 52K8313 | 0.00 |
| ● CRCW060324K3FKEA | 24.3kohm | ±100ppm/°C | 75V | 52K8314 | --- |
| ● CRCW060324K9FKEA | 24.9kohm | ±100ppm/°C | 75V | 52K8316 | 0.01 |
| ● CRCW060326K1FKEA | 26.1kohm | ±100ppm/°C | 75V | 52K8332 | 0.01 |
| ● CRCW060327K0FKEA | 27kohm | ±100ppm/°C | 75V | 52K8344 | 0.01 |
| ● CRCW060327K4FKEA | 27.4kohm | ±100ppm/°C | 75V | 52K8346 | 0.00 |
| ● CRCW060328K0FKEA | 28kohm | ±100ppm/°C | 75V | 52K8356 | 0.00 |
| ● CRCW060328K7FKEA | 28.7kohm | ±100ppm/°C | 75V | 52K8357 | 0.00 |
| ● CRCW060330K0FKEA | 30kohm | ±100ppm/°C | 75V | 52K8399 | --- |
| ● CRCW060330K1FKEA | 30.1kohm | ±100ppm/°C | 75V | 52K8401 | 0.01 |
| ● CRCW060330K9FKEA | 30.9kohm | ±100ppm/°C | 75V | 52K8402 | 0.00 |
| ● CRCW060331K6FKEA | 31.6kohm | ±100ppm/°C | 75V | 52K8416 | 0.10 |
| ● CRCW060332K4FKEA | 32.4kohm | ±100ppm/°C | 75V | 52K8423 | 0.00 |
| ● CRCW060333K0FKEA | 33kohm | ±100ppm/°C | 75V | 52K8427 | 0.01 |
| ● CRCW060333K2FKEA | 33.2kohm | ±100ppm/°C | 75V | 52K8428 | 0.10 |
| ● CRCW060334K8FKEA | 34.8kohm | ±100ppm/°C | 75V | 52K8437 | 0.00 |
| ● CRCW060336K5FKEA | 36.5kohm | ±100ppm/°C | 75V | 52K8451 | 0.01 |
| ● CRCW060337K4FKEA | 37.4kohm | ±100ppm/°C | 75V | 52K8462 | 0.00 |
| ● CRCW060338K3FKEA | 38.3kohm | ±100ppm/°C | 75V | 52K8469 | 0.10 |
| ● CRCW060339K0FKEA | 39kohm | ±100ppm/°C | 75V | 52K8474 | 0.10 |
| ● CRCW060339K2FKEA | 39.2kohm | ±100ppm/°C | 75V | 52K8475 | 0.01 |
| ● CRCW060340K2FKEA | 40.2kohm | ±100ppm/°C | 75V | 52K8509 | 0.01 |
| ● CRCW060341K2FKEA | 41.2kohm | ±100ppm/°C | 75V | 52K8513 | 0.00 |
| ● CRCW060342K2FKEA | 42.2kohm | ±100ppm/°C | 75V | 52K8519 | --- |
| ● CRCW060343K0FKEA | 43kohm | ±100ppm/°C | 75V | 52K8524 | --- |
| ● CRCW060343K2FKEA | 43.2kohm | ±100ppm/°C | 75V | 52K8525 | 0.01 |
| ● CRCW060345K3FKEA | 45.3kohm | ±100ppm/°C | 75V | 52K8537 | 0.01 |
| ● CRCW060346K4FKEA | 46.4kohm | ±100ppm/°C | 75V | 52K8541 | 0.00 |
| ● CRCW060347K0FKEA | 47kohm | ±100ppm/°C | 75V | 52K8548 | 0.10 |
| ● CRCW060347K0FKEB | 47kohm | ±100ppm/K | 75V | 48P9345 | 0.00 |
| ● CRCW060347K5FKEA | 47.5kohm | ±100ppm/°C | 75V | 52K8550 | 0.01 |
| ● CRCW060349K9FKEA | 49.9kohm | ±100ppm/°C | 75V | 52K8563 | --- |
| ● CRCW060351K0FKEA | 51kohm | ±100ppm/°C | 75V | 52K8588 | 0.01 |
| ● CRCW060351K1FKEA | 51.1kohm | ±100ppm/°C | 75V | 52K8590 | 0.01 |
| ● CRCW060352K3FKEA | 52.3kohm | ±100ppm/°C | 75V | 52K8601 | 0.01 |
| ● CRCW060354K9FKEA | 54.9kohm | ±100ppm/°C | 75V | 52K8610 | 0.00 |
| ● CRCW060356K2FKEA | 56.2kohm | ±100ppm/°C | 75V | 52K8614 | 0.00 |
| ● CRCW060359K0FKEA | 59kohm | ±100ppm/°C | 75V | 52K8630 | 0.00 |
| ● CRCW060361K9FKEA | 61.9kohm | ±100ppm/°C | 75V | 52K8647 | 0.01 |
| ● CRCW060362K0FKEA | 62kohm | ±100ppm/°C | 75V | 52K8652 | 0.00 |
| ● CRCW060363K4FKEA | 63.4kohm | ±100ppm/°C | 75V | 52K8660 | 0.00 |
| ● CRCW060366K5FKEA | 66.5kohm | ±100ppm/°C | 75V | 52K8670 | 0.00 |
| ● CRCW060368K0FKEA | 68kohm | ±100ppm/°C | 75V | 52K8674 | 0.00 |
| ● CRCW060368K1FKEA | 68.1kohm | ±100ppm/°C | 75V | 52K8676 | 0.10 |
| ● CRCW060369K8FKEA | 69.8kohm | ±100ppm/°C | 75V | 52K8688 | 0.00 |
| ● CRCW060371K5FKEA | 71.5kohm | ±100ppm/°C | 75V | 52K8699 | 0.00 |
| ● CRCW060375K0FKEA | 75kohm | ±100ppm/°C | 75V | 52K8708 | 0.01 |
| ● CRCW060376K8FKEA | 76.8kohm | ±100ppm/°C | 75V | 52K8714 | 0.00 |
| ● CRCW060380K6FKEA | 80.6kohm | ±100ppm/°C | 75V | 52K8732 | 0.00 |
| ● CRCW060382K0FKEA | 82kohm | ±100ppm/°C | 75V | 52K8736 | 0.00 |
| ● CRCW060382K5FKEA | 82.5kohm | ±100ppm/°C | 75V | 52K8737 | 0.01 |
| ● CRCW060384K5FKEA | 84.5kohm | ±100ppm/°C | 75V | 52K8747 | 0.00 |
| ● CRCW060386K6FKEA | 86.6kohm | ±100ppm/°C | 75V | 52K8751 | 0.00 |
| ● CRCW060388K7FKEA | 88.7kohm | ±100ppm/°C | 75V | 52K8755 | 0.10 |
| ● CRCW060390K9FKEA | 90.9kohm | ±100ppm/°C | 75V | 52K8765 | 0.01 |
| ● CRCW060391K0FKEA | 91kohm | ±100ppm/°C | 75V | 52K8771 | --- |

► CONTINUED ►

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut 1-9+ |
|---|----------|-------------------|----------------|-----------|------------------|
| 0603 [1608 Metric], 100 mW, ± 1% | | | | | |
| ● CRCW060393K1FKEA | 93.1kohm | ±100ppm/°C | 75V | 52K8778 | 0.00 |
| ● CRCW060395K3FKEA | 95.3kohm | ±100ppm/°C | 75V | 52K8783 | --- |
| ● CRCW060397K6FKEA | 97.6kohm | ±100ppm/°C | 75V | 52K8787 | --- |
| ● CRCW0603100KFKEB | 100kohm | ±100ppm/K | 75V | 48P8200 | 0.01 |
| ● CRCW0603102KFKEA | 102kohm | ±100ppm/°C | 75V | 52K8080 | 0.00 |
| ● CRCW0603105KFKEA | 105kohm | ±100ppm/°C | 75V | 52K8082 | 0.00 |
| ● CRCW0603107KFKEA | 107kohm | ±100ppm/°C | 75V | 52K8084 | 0.00 |
| ● CRCW0603121KFKEA | 121kohm | ±100ppm/°C | 75V | 52K8115 | 0.10 |
| ● CRCW0603124KFKEA | 124kohm | ±100ppm/°C | 75V | 52K8117 | 0.00 |
| ● CRCW0603130KFKEA | 130kohm | ±100ppm/°C | 75V | 52K8127 | --- |
| ● CRCW0603137KFKEA | 137kohm | ±100ppm/°C | 75V | 52K8131 | 0.00 |
| ● CRCW0603140KFKEA | 140kohm | ±100ppm/°C | 75V | 52K8141 | 0.00 |
| ● CRCW0603147KFKEA | 147kohm | ±100ppm/°C | 75V | 52K8148 | 0.00 |
| ● CRCW0603150KFKEA | 150kohm | ±100ppm/°C | 75V | 52K8158 | 0.01 |
| ● CRCW0603154KFKEA | 154kohm | ±100ppm/°C | 75V | 52K8162 | 0.00 |
| ● CRCW0603158KFKEA | 158kohm | ±100ppm/°C | 75V | 52K8164 | 0.01 |
| ● CRCW0603160KFKEA | 160kohm | ±100ppm/°C | 75V | 52K8177 | 0.00 |
| ● CRCW0603162KFKEA | 162kohm | ±100ppm/°C | 75V | 52K8180 | 0.00 |
| ● CRCW0603165KFKEA | 165kohm | ±100ppm/°C | 75V | 52K8182 | 0.01 |
| ● CRCW0603169KFKEA | 169kohm | ±100ppm/°C | 75V | 52K8184 | 0.00 |
| ● CRCW0603174KFKEA | 174kohm | ±100ppm/°C | 75V | 52K8192 | 0.00 |
| ● CRCW0603178KFKEA | 178kohm | ±100ppm/°C | 75V | 52K8194 | --- |
| ● CRCW0603180KFKEA | 180kohm | ±100ppm/°C | 75V | 52K8205 | 0.00 |
| ● CRCW0603182KFKEA | 182kohm | ±100ppm/°C | 75V | 52K8209 | 0.00 |
| ● CRCW0603187KFKEA | 187kohm | ±100ppm/°C | 75V | 52K8211 | --- |
| ● CRCW0603191KFKEA | 191kohm | ±100ppm/°C | 75V | 52K8218 | 0.00 |
| ● CRCW0603196KFKEA | 196kohm | ±100ppm/°C | 75V | 42K3761 | 0.00 |
| ● CRCW0603200KFKEA | 200kohm | ±100ppm/°C | 75V | 52K8227 | 0.01 |
| ● CRCW0603205KFKEA | 205kohm | ±100ppm/°C | 75V | 52K8275 | 0.00 |
| ● CRCW0603210KFKEA | 210kohm | ±100ppm/°C | 75V | 52K8281 | --- |
| ● CRCW0603215KFKEA | 215kohm | ±100ppm/°C | 75V | 42K3788 | --- |
| ● CRCW0603220KFKEA | 220kohm | ±100ppm/°C | 75V | 52K8296 | 0.01 |
| ● CRCW0603221KFKEA | 221kohm | ±100ppm/°C | 75V | 52K8299 | 0.00 |
| ● CRCW0603226KFKEA | 226kohm | ±100ppm/°C | 75V | 52K8302 | 0.00 |
| ● CRCW0603232KFKEA | 232kohm | ±100ppm/°C | 75V | 52K8309 | --- |
| ● CRCW0603237KFKEA | 237kohm | ±100ppm/°C | 75V | 52K8311 | 0.13 |
| ● CRCW0603240KFKEA | 240kohm | ±100ppm/°C | 75V | 52K8321 | --- |
| ● CRCW0603243KFKEA | 243kohm | ±100ppm/°C | 75V | 52K8324 | --- |
| ● CRCW0603249KFKEA | 249kohm | ±100ppm/°C | 75V | 52K8326 | 0.00 |
| ● CRCW0603255KFKEA | 255kohm | ±100ppm/°C | 75V | 52K8330 | --- |
| ● CRCW0603261KFKEA | 261kohm | ±100ppm/°C | 75V | 52K8339 | 0.00 |
| ● CRCW0603270KFKEA | 270kohm | ±100ppm/°C | 75V | 52K8351 | --- |
| ● CRCW0603274KFKEA | 274kohm | ±100ppm/°C | 75V | 52K8353 | 0.10 |
| ● CRCW0603280KFKEA | 280kohm | ±100ppm/°C | 75V | 52K8360 | --- |
| ● CRCW0603287KFKEA | 287kohm | ±100ppm/°C | 75V | 52K8362 | --- |
| ● CRCW0603300KFKEA | 300kohm | ±100ppm/°C | 75V | 52K8409 | 0.10 |
| ● CRCW0603301KFKEA | 301kohm | ±100ppm/°C | 75V | 52K8411 | 0.09 |
| ● CRCW0603309KFKEA | 309kohm | ±100ppm/°C | 75V | 52K8414 | 0.00 |
| ● CRCW0603316KFKEA | 316kohm | ±100ppm/°C | 75V | 52K8419 | 0.00 |
| ● CRCW0603324KFKEA | 324kohm | ±100ppm/°C | 75V | 52K8425 | --- |
| ● CRCW0603330KFKEA | 330kohm | ±100ppm/°C | 75V | 52K8431 | 0.10 |
| ● CRCW0603332KFKEA | 332kohm | ±100ppm/°C | 75V | 52K8434 | 0.01 |
| ● CRCW0603348KFKEA | 348kohm | ±100ppm/°C | 75V | 52K8442 | --- |
| ● CRCW0603338KFKEA | 383kohm | ±100ppm/°C | 75V | 42K3884 | 0.00 |
| ● CRCW0603392KFKEA | 392kohm | ±100ppm/°C | 75V | 52K8481 | --- |
| ● CRCW0603402KFKEA | 402kohm | ±100ppm/°C | 75V | 52K8511 | 0.00 |
| ● CRCW0603422KFKEA | 422kohm | ±100ppm/°C | 75V | 52K8521 | --- |
| ● CRCW0603453KFKEA | 453kohm | ±100ppm/°C | 75V | 52K8539 | 0.00 |
| ● CRCW0603470KFKEA | 470kohm | ±100ppm/°C | 75V | 52K8555 | 0.10 |
| ● CRCW0603475KFKEA | 475kohm | ±100ppm/°C | 75V | 52K8557 | 0.00 |
| ● CRCW0603487KFKEA | 487kohm | ±100ppm/°C | 75V | 52K8561 | --- |
| ● CRCW0603499KFKEA | 499kohm | ±100ppm/°C | 75V | 52K8568 | 0.10 |
| ● CRCW0603510KFKEA | 510kohm | ±100ppm/°C | 75V | 52K8595 | 0.00 |
| ● CRCW0603560KFKEA | 560kohm | ±100ppm/°C | 75V | 52K8619 | --- |
| ● CRCW0603562KFKEA | 562kohm | ±100ppm/°C | 75V | 42K3965 | 0.00 |
| ● CRCW0603590KFKEA | 590kohm | ±100ppm/°C | 75V | 52K8632 | --- |
| ● CRCW0603604KFKEA | 604kohm | ±100ppm/°C | 75V | 52K8645 | --- |
| ● CRCW0603619KFKEA | 619kohm | ±100ppm/°C | 75V | 52K8650 | 0.00 |
| ● CRCW0603634KFKEA | 634kohm | ±100ppm/°C | 75V | 52K8662 | --- |
| ● CRCW0603680KFKEA | 680kohm | ±100ppm/°C | 75V | | |

RESISTOR NETWORKS

2

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut 1-9+ |
|---|----------|-------------------|----------------|-----------|------------------|
| 0603 [1608 Metric], 100 mW, ± 1% | | | | | |
| ● CRCW0603175KFKEA | 715kohm | ±100ppm/°C | 75V | 52K8701 | --- |
| ● CRCW0603750KFKEA | 750kohm | ±100ppm/°C | 75V | 52K8711 | 0.01 |
| ● CRCW0603806KFKEA | 806kohm | ±100ppm/°C | 75V | 52K8734 | 0.00 |
| ● CRCW0603820KFKEA | 820kohm | ±100ppm/°C | 75V | 52K8742 | 0.00 |
| ● CRCW0603909KFKEA | 909kohm | ±100ppm/°C | 75V | 52K8768 | 0.00 |
| ● CRCW06031M100FKEA | 1Mohm | ±100ppm/°C | 75V | 52K8053 | --- |
| ● CRCW06031M21FKEA | 1.21Mohm | ±100ppm/°C | 75V | 52K8055 | --- |
| ● CRCW06031M505FKEA | 1.5Mohm | ±100ppm/°C | 75V | 52K8057 | 0.00 |
| ● CRCW06032M00FKEA | 2Mohm | ±100ppm/°C | 75V | 52K8249 | --- |
| ● CRCW06032M21FKEA | 2.21Mohm | ±100ppm/°C | 75V | 52K8252 | --- |
| ● CRCW06032M49FKEA | 2.49Mohm | ±100ppm/°C | 75V | 52K8254 | --- |
| ● CRCW06033M00FKEA | 3Mohm | ±100ppm/°C | 75V | 42K3845 | --- |
| ● CRCW06035M60FKEA | 5.6Mohm | ±100ppm/K | 75V | 59K9986 | --- |
| ● CRCW060310M0FKEA | 10Mohm | ±100ppm/°C | 75V | 52K8071 | 0.01 |
| 0603 [1608 Metric], 100 mW, ± 5% | | | | | |
| CRCW0603100RJNTA | 100ohm | ±200ppm/K | 75V | 31K8856 | --- |
| ● CRCW0603220RJNEB | 220ohm | ±200ppm/K | 75V | 48P8738 | --- |
| ● CRCW06031K00JNEB | 1kohm | ±200ppm/K | 75V | 07H2487 | 0.00 |
| ● CRCW06034K70JNEB | 4.7kohm | ±200ppm/K | 75V | 65J0950 | --- |
| ● CRCW060310K0JNEB | 10kohm | ±200ppm/K | 75V | 65J0526 | 0.09 |
| CRCW060330M0JPTAHR | 30Mohm | ±500ppm/K | 75V | 97H9119 | 0.40 |
| PIM_578773 | | | | | |
| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut 1-9+ |
| 1206 [3216 Metric], 250 mW | | | | | |
| ● CRCW12060000Z0EA | 0ohm | ±100ppm/°C | 200V | 53K1777 | --- |
| ● CRCW12060000Z0EB | 0ohm | ... | 200V | 49P1777 | 0.13 |
| 1206 [3216 Metric], 250 mW, ± 1% | | | | | |
| ● CRCW12061R00FKEA | 1ohm | ±100ppm/°C | 200V | 53K1855 | 0.13 |
| ● CRCW12061R00FNEB | 1ohm | ±200ppm/K | 200V | 08N3336 | 0.01 |
| ● CRCW12061R30FNEA | 1.3ohm | ±100ppm/°C | 200V | 53K1876 | 0.01 |
| ● CRCW12061R50FKEA | 1.5ohm | ±100ppm/°C | 200V | 53K1888 | 0.10 |
| ● CRCW12062R00FKEA | 2ohm | ±100ppm/K | 200V | 47P3802 | 0.01 |
| ● CRCW12062R00FNEA | 2ohm | ±100ppm/°C | 200V | 53K2101 | --- |
| ● CRCW12062R20FKEA | 2.2ohm | ±100ppm/K | 200V | 73K3209 | 0.00 |
| ● CRCW12062R21FNEA | 2.21ohm | ±100ppm/°C | 200V | 53K2108 | 0.01 |
| ● CRCW12062R43FNEA | 2.43ohm | ±100ppm/°C | 200V | 53K2114 | 0.03 |
| ● CRCW12062R49FNEA | 2.49ohm | ±100ppm/°C | 200V | 53K2116 | 0.01 |
| ● CRCW12063R01FNEA | 3.01ohm | ±100ppm/°C | 200V | 53K2258 | 0.01 |
| ● CRCW12063R30FKEA | 3.3ohm | ±100ppm/K | 200V | 73K3210 | --- |
| ● CRCW12063R30FNEA | 3.3ohm | ±200ppm/K | 200V | 49P2527 | 0.01 |
| ● CRCW12063R32FNEA | 3.32ohm | ±100ppm/°C | 200V | 53K2262 | 0.01 |
| ● CRCW12064R70FKEA | 4.7ohm | ±100ppm/K | 200V | 73K3212 | 0.01 |
| ● CRCW12064R70FNEA | 4.7ohm | ±200ppm/K | 200V | 26R4050 | 0.01 |
| ● CRCW12064R99FKEA | 4.99hm | ±100ppm/K | 200V | 47P3845 | 0.01 |
| ● CRCW12065R10FKEA | 5.1ohm | ±100ppm/°C | 200V | 42K5098 | 0.09 |
| ● CRCW12068R06FKEA | 8.06ohm | ±100ppm/K | 200V | 47P3871 | 0.00 |
| ● CRCW120610R0FKEA | 10ohm | ±100ppm/°C | 200V | 53K1914 | --- |
| ● CRCW120610R0FKEB | 10ohm | ±100ppm/°C | 200V | 53K1915 | 0.10 |
| ● CRCW120611R0FKEA | 11ohm | ±100ppm/°C | 200V | 53K1934 | --- |
| ● CRCW120612R0FKEA | 12ohm | ±100ppm/°C | 200V | 53K1952 | --- |
| ● CRCW120612R4FKEA | 12.4ohm | ±100ppm/°C | 200V | 53K1954 | --- |
| ● CRCW120614R0FKEA | 14ohm | ±100ppm/°C | 200V | 53K1983 | --- |
| ● CRCW120615R0FKEA | 15ohm | ±100ppm/°C | 200V | 53K1996 | 0.01 |
| ● CRCW120616R0FKEA | 16ohm | ±100ppm/°C | 200V | 53K2013 | --- |
| ● CRCW120616R2FKEA | 16.2ohm | ±100ppm/°C | 200V | 53K2014 | --- |
| ● CRCW120618R0FKEA | 18ohm | ±100ppm/°C | 200V | 53K2039 | 0.10 |
| ● CRCW120618R2FKEA | 18.2ohm | ±100ppm/°C | 200V | 53K2040 | --- |
| ● CRCW120619R1FKEA | 19.1ohm | ±100ppm/°C | 200V | 53K2050 | --- |
| ● CRCW120620R0FKEA | 20ohm | ±100ppm/°C | 200V | 42K4894 | 0.13 |
| ● CRCW120622R0FKEA | 22ohm | ±100ppm/°C | 200V | 53K2154 | 0.10 |
| ● CRCW120622R1FKEA | 22.1ohm | ±100ppm/°C | 200V | 42K4908 | 0.10 |
| ● CRCW120624R3FKEA | 24.3ohm | ±100ppm/°C | 200V | 53K2177 | 0.01 |
| ● CRCW120624R9FKEA | 24.9ohm | ±100ppm/°C | 200V | 53K2178 | 0.00 |
| ● CRCW120625R5FKEA | 25.5ohm | ±100ppm/°C | 200V | 53K2186 | --- |
| ● CRCW120626R1FKEA | 26.1ohm | ±100ppm/°C | 200V | 53K2191 | --- |
| ● CRCW120626R7FKEA | 26.7ohm | ±100ppm/°C | 200V | 53K2192 | --- |
| ● CRCW120627R0FKEA | 27ohm | ±100ppm/°C | 200V | 53K2199 | --- |
| ● CRCW120627R4FKEA | 27.4ohm | ±100ppm/°C | 200V | 53K2200 | --- |
| ● CRCW120630R0FKEA | 30ohm | ±100ppm/°C | 200V | 53K2278 | 0.01 |
| ● CRCW120630R1FKEA | 30.1ohm | ±100ppm/°C | 200V | 53K2279 | --- |

► CONTINUED ►

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut 1-9+ |
|---|---------|-------------------|----------------|-----------|------------------|
| 1206 [3216 Metric], 250 mW, ± 1% | | | | | |
| ● CRCW120631R6FKEA | 31.6ohm | ±100ppm/°C | 200V | 53K2289 | --- |
| ● CRCW120633R0FKEA | 33ohm | ±100ppm/°C | 200V | 53K2299 | 0.01 |
| ● CRCW120633R2FKEA | 33.2ohm | ±100ppm/°C | 200V | 42K4999 | 0.01 |
| ● CRCW120639R2FKEA | 39.2ohm | ±100ppm/°C | 200V | 42K5029 | --- |
| ● CRCW120647R0FKEA | 47ohm | ±100ppm/°C | 200V | 53K2425 | 0.01 |
| ● CRCW120647R5FKEA | 47.5ohm | ±100ppm/°C | 200V | 42K5081 | --- |
| ● CRCW120649R9FKEA | 49.9ohm | ±100ppm/°C | 200V | 53K2438 | --- |
| ● CRCW120651R0FKEA | 51ohm | ±100ppm/°C | 200V | 53K2478 | 0.13 |
| ● CRCW120651R1FKEA | 51.1ohm | ±100ppm/°C | 200V | 53K2479 | 0.01 |
| ● CRCW120653R6FKEA | 53.6ohm | ±100ppm/°C | 200V | 53K2491 | --- |
| ● CRCW120659R0FKEA | 59ohm | ±100ppm/°C | 200V | 53K2512 | --- |
| ● CRCW120660R4FKEA | 60.4ohm | ±100ppm/°C | 200V | 53K2546 | 0.01 |
| ● CRCW120661R9FKEA | 61.9ohm | ±100ppm/°C | 200V | 42K5148 | 0.01 |
| ● CRCW120662R0FKEA | 62ohm | ±100ppm/°C | 200V | 53K2555 | --- |
| ● CRCW120664R9FKEA | 64.9ohm | ±100ppm/°C | 200V | 53K2562 | --- |
| ● CRCW120666R5FKEA | 66.5ohm | ±100ppm/°C | 200V | 53K2566 | 0.01 |
| ● CRCW120668R0FKEA | 68ohm | ±100ppm/°C | 200V | 53K2571 | 0.00 |
| ● CRCW120675R0FKEA | 75ohm | ±100ppm/°C | 200V | 53K2617 | 0.01 |
| ● CRCW120678R7FKEA | 78.7ohm | ±100ppm/°C | 200V | 53K2627 | --- |
| ● CRCW120680R6FKEA | 80.6ohm | ±100ppm/°C | 200V | 53K2656 | --- |
| ● CRCW120682R0FKEA | 82ohm | ±100ppm/°C | 200V | 53K2661 | 0.00 |
| ● CRCW120682R5FKEA | 82.5ohm | ±100ppm/°C | 200V | 53K2662 | 0.01 |
| ● CRCW120684R5FKEA | 84.5ohm | ±100ppm/°C | 200V | 53K2669 | --- |
| ● CRCW120686R6FKEA | 86.6ohm | ±100ppm/°C | 200V | 53K2673 | --- |
| ● CRCW120690R9FKEA | 90.9ohm | ±100ppm/°C | 200V | 53K2701 | --- |
| ● CRCW120693R1FKEA | 93.1ohm | ±100ppm/°C | 200V | 53K2709 | --- |
| ● CRCW120695R3FKEA | 95.3ohm | ±100ppm/°C | 200V | 53K2714 | --- |
| ● CRCW1206100RFKEA | 100ohm | ±100ppm/°C | 200V | 53K1922 | 0.10 |
| ● CRCW1206100RFKEB | 100ohm | ±100ppm/K | 200V | 65J2575 | 0.01 |
| ● CRCW1206105RFKEA | 105ohm | ±100ppm/°C | 200V | 53K1927 | --- |
| ● CRCW1206110RFKEA | 110ohm | ±100ppm/°C | 200V | 53K1939 | 0.01 |
| ● CRCW1206113RFKEA | 113ohm | ±100ppm/°C | 200V | 53K1942 | --- |
| ● CRCW1206115RFKEA | 115ohm | ±100ppm/°C | 200V | 53K1945 | --- |
| ● CRCW1206120RFKEA | 120ohm | ±100ppm/°C | 200V | 53K1957 | 0.01 |
| ● CRCW1206121RFKEA | 121ohm | ±100ppm/°C | 200V | 53K1960 | 0.01 |
| ● CRCW1206124RFKEA | 124ohm | ±100ppm/°C | 200V | 53K1963 | --- |
| ● CRCW1206130RFKEA | 130ohm | ±100ppm/°C | 200V | 53K1973 | 0.01 |
| ● CRCW1206133RFKEA | 133ohm | ±100ppm/°C | 200V | 53K1976 | --- |
| ● CRCW1206137RFKEA | 137ohm | ±100ppm/°C | 200V | 53K1979 | --- |
| ● CRCW1206140RFKEA | 140ohm | ±100ppm/°C | 200V | 53K1987 | --- |
| ● CRCW1206143RFKEA | 143ohm | ±100ppm/°C | 200V | 53K1989 | --- |
| ● CRCW1206147RFKEA | 147ohm | ±100ppm/°C | 200V | 53K1991 | 0.01 |
| ● CRCW1206150RFKEA | 150ohm | ±100ppm/°C | 200V | 42K4824 | 0.01 |
| ● CRCW1206154RFKEA | 154ohm | ±100ppm/°C | 200V | 53K2004 | --- |
| ● CRCW1206160RFKEA | 160ohm | ±100ppm/°C | 200V | 53K2018 | --- |
| ● CRCW1206162RFKEA | 162ohm | ±100ppm/°C | 200V | 53K2020 | --- |
| ● CRCW1206165RFKEA | 165ohm | ±100ppm/°C | 200V | 53K2022 | 0.09 |
| ● CRCW1206169RFKEA | 169ohm | ±100ppm/°C | 200V | 53K2025 | 0.01 |
| ● CRCW1206174RFKEA | 174ohm | ±100ppm/°C | 200V | 53K2031 | --- |
| ● CRCW1206178RFKEA | 178ohm | ±100ppm/°C | 200V | 53K2033 | --- |
| ● CRCW1206180RFKEA | 180ohm | ±100ppm/°C | 200V | 53K2043 | 0.01 |
| ● CRCW1206182RFKEA | 182ohm | ±100ppm/°C | 200V | 53K2046 | 0.00 |
| ● CRCW1206200RFKEA | 200ohm | ±100ppm/°C | 200V | 53K2137 | --- |
| ● CRCW1206200RFKTA | 200ohm | ±100ppm/°C | 200V | 05F1532 | --- |
| ● CRCW1206205RFKEA | 205ohm | ±100ppm/°C | 200V | 53K2140 | --- |
| ● CRCW1206210RFKEA | 210ohm | ±100ppm/°C | 200V | 53K2147 | 0.01 |
| ● CRCW1206215RFKEA | 215ohm | ±100ppm/°C | 200V | 53K2149 | --- |
| ● CRCW1206221RFKEA | 221ohm | ±100ppm/°C | 200V | 53K2160 | 0.01 |
| ● CRCW1206237RFKEA | 237ohm | ±100ppm/°C | 200V | 53K2170 | --- |
| ● CRCW1206240RFKEA | 240ohm | ±100ppm/°C | 200V | 42K4926 | 0.01 |
| ● CRCW1206243RFKEA | 243ohm | ±100ppm/°C | 200V | 53K2182 | 0.01 |
| ● CRCW1206249RFKEA | 249ohm | ±100ppm/°C | 200V | 53K2184 | 0.10 |
| ● CRCW1206255RFKEA | 255ohm | ±100ppm/°C | 200V | 53K2188 | --- |
| ● CRCW1206267RFKEA | 267ohm | ±100ppm/°C | 200V | 53K2196 | 0.01 |
| ● CRCW1206270RFKEA | 270ohm | ±100ppm/°C | 200V | 53K2202 | 0.01 |
| ● CRCW1206274RFKEA | 274ohm | ±100ppm/°C | 200V | 53K2204 | --- |
| ● CRCW1206279RFKEA | 279ohm | ±100ppm/°C | 200V | 53K2208 | --- |
| ● CRCW1206280RFKEA | 280ohm | ±100ppm/°C | 200V | 53K2211 | --- |
| ● CRCW1206287RFKEA | 287ohm | ±100ppm/°C | 200V | 53K2214 | --- |
| ● CRCW1206300RFKEA | 300ohm | ±100ppm/°C | 200V | 53K2222 | 0.01 |
| ● CRCW1206301RFKEA | 301ohm | ±100ppm/°C | 200V | 53K2284 | 0.01 |
| ● CRCW1206324RFKEA | 324ohm | ±100ppm/°C | 200V | 53K2295 | --- |
| ● CRCW1206330RFKEA | 330ohm | ±100ppm/°C | 200V | 53K2302 | 0.13 |

► CONTINUED ►</

RESISTOR NETWORKS

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut 1-9+ |
|---|----------|-------------------|----------------|-----------|------------------|
| 1206 [3216 Metric], 250 mW, ± 1% | | | | | |
| ● CRCW1206332RFKEA | 332ohm | ±100ppm/°C | 200V | 53K2305 | 0.13 |
| ● CRCW1206340RFKEA | 340ohm | ±100ppm/°C | 200V | 53K2312 | 0.01 |
| ● CRCW1206348RFKEA | 348ohm | ±100ppm/°C | 200V | 53K2314 | --- |
| ● CRCW1206357RFKEA | 357ohm | ±100ppm/°C | 200V | 53K2319 | --- |
| ● CRCW1206360RFKEA | 360ohm | ±100ppm/°C | 200V | 53K2325 | 0.01 |
| ● CRCW1206365RFKEA | 365ohm | ±100ppm/°C | 200V | 53K2327 | 0.01 |
| ● CRCW1206374RFKEA | 374ohm | ±100ppm/°C | 200V | 53K2331 | 0.01 |
| ● CRCW1206383RFKEA | 383ohm | ±100ppm/°C | 200V | 53K2336 | --- |
| ● CRCW1206390RFKEA | 390ohm | ±100ppm/°C | 200V | 53K2341 | 0.13 |
| ● CRCW1206392RFKEA | 392ohm | ±100ppm/°C | 200V | 53K2343 | 0.00 |
| ● CRCW1206402RFKEA | 402ohm | ±100ppm/°C | 200V | 53K2394 | 0.01 |
| ● CRCW1206422RFKEA | 422ohm | ±100ppm/°C | 200V | 53K2402 | 0.01 |
| ● CRCW1206430RFKEA | 430ohm | ±100ppm/°C | 200V | 53K2407 | 0.01 |
| ● CRCW1206432RFKEA | 432ohm | ±100ppm/°C | 200V | 53K2409 | 0.01 |
| ● CRCW1206464RFKEA | 464ohm | ±100ppm/°C | 200V | 53K2421 | --- |
| ● CRCW1206470RFKEA | 470ohm | ±100ppm/°C | 200V | 53K2429 | 0.10 |
| ● CRCW1206475RFKEA | 475ohm | ±100ppm/°C | 200V | 53K2431 | --- |
| ● CRCW1206487RFKEA | 487ohm | ±100ppm/°C | 200V | 53K2435 | --- |
| ● CRCW1206499RFKEA | 499ohm | ±100ppm/°C | 200V | 53K2442 | 0.13 |
| ● CRCW1206510RFKEA | 510ohm | ±100ppm/°C | 200V | 53K2482 | 0.01 |
| ● CRCW1206511RFKEA | 511ohm | ±100ppm/°C | 200V | 53K2484 | 0.13 |
| ● CRCW1206549RFKEA | 549ohm | ±100ppm/°C | 200V | 53K2497 | 0.01 |
| ● CRCW1206560RFKEA | 560ohm | ±100ppm/°C | 200V | 42K5124 | --- |
| ● CRCW1206562RFKEA | 562ohm | ±100ppm/°C | 200V | 53K2505 | 0.01 |
| ● CRCW1206576RFKEA | 576ohm | ±100ppm/°C | 200V | 53K2509 | --- |
| ● CRCW1206590RFKEA | 590ohm | ±100ppm/°C | 200V | 53K2514 | --- |
| ● CRCW1206604RFKEA | 604ohm | ±100ppm/°C | 200V | 53K2548 | 0.01 |
| ● CRCW1206634RFKEA | 634ohm | ±100ppm/°C | 200V | 42K5158 | --- |
| ● CRCW1206649RFKEA | 649ohm | ±100ppm/°C | 200V | 53K2564 | 0.01 |
| ● CRCW1206680RFKEA | 680ohm | ±100ppm/°C | 200V | 42K5172 | 0.00 |
| ● CRCW1206681RFKEA | 681ohm | ±100ppm/°C | 200V | 53K2575 | 0.00 |
| ● CRCW1206715RFKEA | 715ohm | ±100ppm/°C | 200V | 53K2611 | --- |
| ● CRCW1206750RFKEA | 750ohm | ±100ppm/°C | 200V | 53K2620 | 0.13 |
| ● CRCW1206820RFKEA | 820ohm | ±100ppm/°C | 200V | 53K2665 | 0.00 |
| ● CRCW1206825RFKEA | 825ohm | ±100ppm/°C | 200V | 42K5214 | --- |
| ● CRCW12061K00FKEA | 1kohm | ±100ppm/°C | 200V | 53K1779 | --- |
| ● CRCW12061K01FKEB | 1kohm | ±100ppm/K | 200V | 65J2538 | 0.13 |
| ● CRCW12061K02FKEA | 1.02kohm | ±100ppm/°C | 200V | 53K1782 | --- |
| ● CRCW12061K05FKEA | 1.05kohm | ±100ppm/°C | 200V | 53K1783 | --- |
| ● CRCW12061K10FKEA | 1.1kohm | ±100ppm/°C | 200V | 53K1785 | 0.01 |
| ● CRCW12061K20FKEA | 1.2kohm | ±100ppm/°C | 200V | 53K1789 | 0.01 |
| ● CRCW12061K21FKEA | 1.21kohm | ±100ppm/°C | 200V | 42K4725 | 0.13 |
| ● CRCW12061K24FKEA | 1.24kohm | ±100ppm/°C | 200V | 53K1791 | 0.01 |
| ● CRCW12061K30FKEA | 1.3kohm | ±100ppm/°C | 200V | 53K1792 | 0.00 |
| ● CRCW12061K47FKEA | 1.47kohm | ±100ppm/°C | 200V | 53K1796 | --- |
| ● CRCW12061K50FKEA | 1.5kohm | ±100ppm/°C | 200V | 53K1797 | --- |
| ● CRCW12061K60FKEA | 1.6kohm | ±100ppm/°C | 200V | 53K1801 | --- |
| ● CRCW12061K62FKEA | 1.62kohm | ±100ppm/°C | 200V | 53K1802 | 0.01 |
| ● CRCW12061K74FKEA | 1.74kohm | ±100ppm/°C | 200V | 53K1804 | 0.01 |
| ● CRCW12061K80FKEA | 1.8kohm | ±100ppm/°C | 200V | 53K1805 | 0.01 |
| ● CRCW12061K82FKEA | 1.82kohm | ±100ppm/°C | 200V | 53K1806 | 0.00 |
| ● CRCW12061K91FKEA | 1.91kohm | ±100ppm/°C | 200V | 53K1809 | --- |
| ● CRCW12062K00FKEA | 2kohm | ±100ppm/°C | 200V | 53K2055 | --- |
| ● CRCW12062K10FKEA | 2.1kohm | ±100ppm/°C | 200V | 53K2057 | 0.01 |
| ● CRCW12062K15FKEA | 2.15kohm | ±100ppm/°C | 200V | 53K2058 | --- |
| ● CRCW12062K20FKEA | 2.2kohm | ±100ppm/°C | 200V | 53K2060 | 0.01 |
| ● CRCW12062K21FKEA | 2.21kohm | ±100ppm/°C | 200V | 53K2061 | --- |
| ● CRCW12062K26FKEA | 2.26kohm | ±100ppm/°C | 200V | 53K2063 | --- |
| ● CRCW12062K32FKEA | 2.32kohm | ±100ppm/°C | 200V | 53K2064 | --- |
| ● CRCW12062K37FKEA | 2.37kohm | ±100ppm/°C | 200V | 53K2065 | --- |
| ● CRCW12062K40FKEA | 2.4kohm | ±100ppm/°C | 200V | 53K2066 | --- |
| ● CRCW12062K49FKEA | 2.49kohm | ±100ppm/°C | 200V | 53K2067 | 0.13 |
| ● CRCW12062K67FKEA | 2.67kohm | ±100ppm/°C | 200V | 53K2071 | 0.00 |
| ● CRCW12062K70FKEA | 2.7kohm | ±100ppm/°C | 200V | 53K2072 | 0.01 |
| ● CRCW12063K00FKEA | 3kohm | ±100ppm/°C | 200V | 53K2219 | 0.09 |
| ● CRCW12063K01FKEA | 3.01kohm | ±100ppm/°C | 200V | 53K2220 | 0.13 |
| ● CRCW12063K24FKEA | 3.24kohm | ±100ppm/°C | 200V | 53K2223 | --- |
| ● CRCW12063K30FKEA | 3.3kohm | ±100ppm/°C | 200V | 53K2224 | 0.02 |
| ● CRCW12063K32FKEA | 3.32kohm | ±100ppm/°C | 200V | 53K2225 | 0.01 |
| ● CRCW12063K40FKEA | 3.4kohm | ±100ppm/°C | 200V | 53K2227 | --- |
| ● CRCW12063K48FKEA | 3.48kohm | ±100ppm/°C | 200V | 53K2228 | --- |
| ● CRCW12063K60FKEA | 3.6kohm | ±100ppm/°C | 200V | 53K2230 | --- |

► CONTINUED ►

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut 1-9+ |
|---|----------|-------------------|----------------|-----------|------------------|
| 1206 [3216 Metric], 250 mW, ± 1% | | | | | |
| ● CRCW12063K65FKEA | 3.65kohm | ±100ppm/°C | 200V | 53K2231 | 0.00 |
| ● CRCW12063K83FKEA | 3.83kohm | ±100ppm/°C | 200V | 53K2232 | 0.01 |
| ● CRCW12063K90FKEA | 3.9kohm | ±100ppm/°C | 200V | 53K2233 | 0.00 |
| ● CRCW12064K02FKEA | 4.02kohm | ±100ppm/°C | 200V | 53K2345 | 0.01 |
| ● CRCW12064K12FKEA | 4.12kohm | ±100ppm/°C | 200V | 53K2347 | --- |
| ● CRCW12064K22FKEA | 4.22kohm | ±100ppm/°C | 200V | 53K2348 | 0.00 |
| ● CRCW12064K30FKEA | 4.3kohm | ±100ppm/°C | 200V | 53K2349 | 0.00 |
| ● CRCW12064K32FKEA | 4.32kohm | ±100ppm/°C | 200V | 53K2350 | 0.09 |
| ● CRCW12064K42FKEA | 4.42kohm | ±100ppm/°C | 200V | 53K2351 | --- |
| ● CRCW12064K53FKEA | 4.53kohm | ±100ppm/°C | 200V | 53K2352 | --- |
| ● CRCW12064K64FKEA | 4.64kohm | ±100ppm/°C | 200V | 53K2353 | 0.13 |
| ● CRCW12064K70FKEA | 4.7kohm | ±100ppm/°C | 200V | 53K2354 | 0.01 |
| ● CRCW12064K75FKEA | 4.75kohm | ±100ppm/°C | 200V | 53K2356 | 0.13 |
| ● CRCW12064K87FKEA | 4.87kohm | ±100ppm/°C | 200V | 53K2358 | 0.01 |
| ● CRCW12064K99FKEA | 4.99kohm | ±100ppm/°C | 200V | 53K2360 | 0.01 |
| ● CRCW12065K11FKEA | 5.11kohm | ±100ppm/°C | 200V | 53K2444 | 0.01 |
| ● CRCW12065K23FKEA | 5.23kohm | ±100ppm/°C | 200V | 53K2446 | --- |
| ● CRCW12065K49FKEA | 5.49kohm | ±100ppm/°C | 200V | 53K2448 | 0.01 |
| ● CRCW12065K62FKEA | 5.62kohm | ±100ppm/°C | 200V | 42K5093 | 0.00 |
| ● CRCW12065K76FKEA | 5.76kohm | ±100ppm/°C | 200V | 53K2451 | 0.10 |
| ● CRCW12066K04FKEA | 6.04kohm | ±100ppm/°C | 200V | 53K2515 | 0.01 |
| ● CRCW12066K19FKEA | 6.19kohm | ±100ppm/°C | 200V | 42K5135 | --- |
| ● CRCW12066K34FKEA | 6.34kohm | ±100ppm/°C | 200V | 53K2517 | 0.01 |
| ● CRCW12066K49FKEA | 6.49kohm | ±100ppm/°C | 200V | 53K2519 | 0.01 |
| ● CRCW12066K80FKEA | 6.8kohm | ±100ppm/°C | 200V | 53K2520 | 0.01 |
| ● CRCW12066K81FKEA | 6.81kohm | ±100ppm/°C | 200V | 42K5139 | 0.01 |
| ● CRCW12066K98FKEA | 6.98kohm | ±100ppm/°C | 200V | 53K2522 | --- |
| ● CRCW12067K50FKEA | 7.5kohm | ±100ppm/°C | 200V | 53K2583 | 0.01 |
| ● CRCW12068K20FKEA | 8.2kohm | ±100ppm/°C | 200V | 53K2633 | 0.01 |
| ● CRCW12068K25FKEA | 8.25kohm | ±100ppm/°C | 200V | 53K2634 | 0.00 |
| ● CRCW12068K66FKEA | 8.66kohm | ±100ppm/°C | 200V | 53K2635 | 0.01 |
| ● CRCW12068K87FKEA | 8.87kohm | ±100ppm/°C | 200V | 53K2636 | 0.01 |
| ● CRCW12069K09FKEA | 9.09kohm | ±100ppm/°C | 200V | 53K2680 | 0.01 |
| ● CRCW12069K10FKEA | 9.1kohm | ±100ppm/°C | 200V | 53K2682 | 0.01 |
| ● CRCW12069K31FKEA | 9.31kohm | ±100ppm/°C | 200V | 53K2683 | --- |
| ● CRCW12069K53FKEA | 9.53kohm | ±100ppm/°C | 200V | 53K2684 | --- |
| ● CRCW12069K76FKEA | 9.76kohm | ±100ppm/°C | 200V | 53K2686 | --- |
| ● CRCW120610K00FKEA | 10kohm | ±100ppm/°C | 200V | 53K1907 | --- |
| ● CRCW120610K01FKEB | 10kohm | ±100ppm/K | 200V | 65J2564 | 0.13 |
| ● CRCW120610K2FKEA | 10.2kohm | ±100ppm/°C | 200V | 53K1909 | 0.13 |
| ● CRCW120610K5FKEA | 10.5kohm | ±100ppm/°C | 200V | 53K1910 | 0.01 |
| ● CRCW120610K7FKEA | 10.7kohm | ±100ppm/°C | 200V | 53K1911 | 0.00 |
| ● CRCW120611K0FKEA | 11kohm | ±100ppm/°C | 200V | 53K1930 | 0.00 |
| ● CRCW120611K3FKEA | 11.3kohm | ±100ppm/°C | 200V | 53K1931 | 0.01 |
| ● CRCW120611K5FKEA | 11.5kohm | ±100ppm/°C | 200V | 53K1932 | 0.01 |
| ● CRCW120611K8FKEA | 11.8kohm | ±100ppm/°C | 200V | 53K1933 | --- |
| ● CRCW120612K0FKEA | 12kohm | ±100ppm/°C | 200V | 53K1948 | --- |
| ● CRCW120612K1FKEA | 12.1kohm | ±100ppm/°C | 200V | 53K1949 | 0.00 |
| ● CRCW120612K4FKEA | 12.4kohm | ±100ppm/°C | 200V | 53K1950 | 0.01 |
| ● CRCW120612K7FKEA | 12.7kohm | ±100ppm/°C | 200V | 53K1951 | 0.01 |
| ● CRCW120613K0FKEA | 13kohm | ±100ppm/°C | 200V | 53K1966 | 0.00 |
| ● CRCW120613K3FKEA | 13.3kohm | ±100ppm/°C | 200V | 53K1967 | --- |
| ● CRCW120613K7FKEA | 13.7kohm | ±100ppm/°C | 200V | 53K1968 | 0.13 |
| ● CRCW120614K0FKEA | 14kohm | ±100ppm/°C | 200V | 53K1980 | --- |
| ● CRCW120614K3FKEA | 14.3kohm | ±100ppm/°C | 200V | 53K1981 | --- |
| ● CRCW120614K7FKEA | 14.7kohm | ±100ppm/°C | 200V | 53K1982 | 0.00 |
| ● CRCW120615K0FKEA | 15kohm | ±100ppm/°C | 200V | 53K1992 | 0.01 |
| ● CRCW120615K4FKEA | 15.4kohm | ±100ppm/°C | 200V | 53K1994 | --- |
| ● CRCW120616K5FKEA | 16.5kohm | ±100ppm/°C | 200V | 53K2010 | --- |
| ● CRCW120616K9FKEA | 16.9kohm | ±100ppm/°C | 200V | 53K2012 | 0.01 |
| ● CRCW120617K4FKEA | 17.4kohm | ±100ppm/°C | 200V | 53K2026 | --- |
| ● CRCW120618K0FKEA | 18kohm | ±100ppm/°C | 200V | 53K2035 | 0.01 |
| ● CRCW120618K2FKEA | 18.2kohm | ±100ppm/°C | 200V | 53K2036 | 0.01 |
| ● CRCW120618K2FKTA | 18.2kohm | ±100ppm/°C | 200V | 05F1570 | --- |
| ● CRCW120618K7FKEA | 18.7kohm | ±100ppm/°C | 200V | 53K2038 | --- |
| ● CRCW120619K1FKEA | 19.1kohm | ±100ppm/°C | 200V | 53K2048 | --- |
| ● CRCW120619K6FKEA | 19.6kohm | ±100ppm/°C | 200V | 53K2049 | --- |
| ● CRCW120620K0FKEA | 20kohm | ±100ppm/°C | 200V | 53K2130 | --- |
| ● CRCW120620K5FKEA | 20.5kohm | ±100ppm/°C | 200V | | |

RESISTOR NETWORKS

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut 1-9+ |
|---|----------|-------------------|----------------|-----------|------------------|
| 1206 [3216 Metric], 250 mW, ± 1% | | | | | |
| ● CRCW120622K1FKEA | 22.1kohm | ±100ppm/°C | 200V | 53K2151 | 0.13 |
| ● CRCW120622K6FKEA | 22.6kohm | ±100ppm/°C | 200V | 53K2153 | --- |
| ● CRCW120623K2FKEA | 23.2kohm | ±100ppm/°C | 200V | 53K2164 | --- |
| ● CRCW120624K3FKEA | 24.3kohm | ±100ppm/°C | 200V | 53K2172 | --- |
| ● CRCW120624K9FKEA | 24.9kohm | ±100ppm/°C | 200V | 53K2174 | 0.00 |
| ● CRCW120627K4FKEA | 27.4kohm | ±100ppm/°C | 200V | 53K2198 | 0.09 |
| ● CRCW120628K0FKEA | 28kohm | ±100ppm/°C | 200V | 53K2206 | 0.01 |
| ● CRCW120630K0FKEA | 30kohm | ±100ppm/°C | 200V | 42K4978 | 0.01 |
| ● CRCW120630K1FKEA | 30.1kohm | ±100ppm/°C | 200V | 42K4979 | 0.01 |
| ● CRCW120630K9FKEA | 30.9kohm | ±100ppm/°C | 200V | 53K2277 | --- |
| ● CRCW120631K6FKEA | 31.6kohm | ±100ppm/°C | 200V | 53K2288 | 0.01 |
| ● CRCW120633K0FKEA | 33kohm | ±100ppm/°C | 200V | 42K4997 | 0.00 |
| ● CRCW120633K2FKEA | 33.2kohm | ±100ppm/°C | 200V | 53K2297 | 0.01 |
| ● CRCW120634K0FKEA | 34kohm | ±100ppm/°C | 200V | 53K2307 | 0.01 |
| ● CRCW120634K8FKEA | 34.8kohm | ±100ppm/°C | 200V | 53K2308 | --- |
| ● CRCW120635K7FKEA | 35.7kohm | ±100ppm/°C | 200V | 53K2315 | --- |
| ● CRCW120636K0FKEA | 36kohm | ±100ppm/°C | 200V | 53K2320 | 0.01 |
| ● CRCW120636K5FKEA | 36.5kohm | ±100ppm/°C | 200V | 53K2321 | 0.01 |
| ● CRCW120637K4FKEA | 37.4kohm | ±100ppm/°C | 200V | 53K2328 | --- |
| ● CRCW120639K0FKEA | 39kohm | ±100ppm/°C | 200V | 53K2337 | 0.00 |
| ● CRCW120640K2FKEA | 40.2kohm | ±100ppm/°C | 200V | 53K2389 | 0.00 |
| ● CRCW120641K2FKEA | 41.2kohm | ±100ppm/°C | 200V | 53K2395 | --- |
| ● CRCW120642K2FKEA | 42.2kohm | ±100ppm/°C | 200V | 53K2399 | 0.01 |
| ● CRCW120643K2FKEA | 43.2kohm | ±100ppm/°C | 200V | 53K2404 | --- |
| ● CRCW120644K2FKEA | 44.2kohm | ±100ppm/°C | 200V | 53K2410 | --- |
| ● CRCW120645K3FKEA | 45.3kohm | ±100ppm/°C | 200V | 53K2414 | --- |
| ● CRCW120647K0FKEA | 47kohm | ±100ppm/°C | 200V | 53K2422 | 0.01 |
| CRCW120647K0FKTA | 47kohm | ±100ppm/°C | 200V | 32C8848 | --- |
| ● CRCW120647K5FKEA | 47.5kohm | ±100ppm/°C | 200V | 53K2423 | 0.01 |
| ● CRCW120649K9FKEA | 49.9kohm | ±100ppm/°C | 200V | 53K2436 | 0.13 |
| ● CRCW120651K0FKEA | 51kohm | ±100ppm/°C | 200V | 53K2476 | 0.01 |
| ● CRCW120651K1FKEA | 51.1kohm | ±100ppm/°C | 200V | 53K2477 | 0.01 |
| ● CRCW120652K3FKEA | 52.3kohm | ±100ppm/°C | 200V | 53K2486 | --- |
| ● CRCW120653K6FKEA | 53.6kohm | ±100ppm/°C | 200V | 53K2490 | --- |
| ● CRCW120654K9FKEA | 54.9kohm | ±100ppm/°C | 200V | 53K2494 | --- |
| ● CRCW120656K0FKEA | 56kohm | ±100ppm/°C | 200V | 42K5119 | 0.00 |
| ● CRCW120656K2FKEA | 56.2kohm | ±100ppm/°C | 200V | 42K5120 | --- |
| ● CRCW120657K6FKEA | 57.6kohm | ±100ppm/°C | 200V | 53K2506 | --- |
| ● CRCW120659K0FKEA | 59kohm | ±100ppm/°C | 200V | 53K2510 | --- |
| CRCW120660K4FKTA | 60.4kohm | ±100ppm/°C | 200V | 92B7997 | --- |
| ● CRCW120661K9FKEA | 61.9kohm | ±100ppm/°C | 200V | 53K2550 | --- |
| ● CRCW120662K0FKEA | 62kohm | ±100ppm/°C | 200V | 53K2554 | 0.01 |
| ● CRCW120663K4FKEA | 63.4kohm | ±100ppm/°C | 200V | 53K2557 | --- |
| ● CRCW120664K9FKEA | 64.9kohm | ±100ppm/°C | 200V | 53K2561 | 0.00 |
| ● CRCW120668K0FKEA | 68kohm | ±100ppm/°C | 200V | 53K2569 | 0.01 |
| ● CRCW120675K0FKEA | 75kohm | ±100ppm/°C | 200V | 53K2616 | 0.10 |
| ● CRCW120680K6FKEA | 80.6kohm | ±100ppm/°C | 200V | 53K2655 | --- |
| ● CRCW120682K5FKEA | 82.5kohm | ±100ppm/°C | 200V | 53K2660 | 0.00 |
| ● CRCW120684K5FKEA | 84.5kohm | ±100ppm/°C | 200V | 53K2668 | --- |
| ● CRCW120686K6FKEA | 86.6kohm | ±100ppm/°C | 200V | 53K2672 | --- |
| ● CRCW120688K7FKEA | 88.7kohm | ±100ppm/°C | 200V | 53K2676 | --- |
| ● CRCW120690K9FKEA | 90.9kohm | ±100ppm/°C | 200V | 53K2699 | 0.10 |
| ● CRCW120691K0FKEA | 91kohm | ±100ppm/°C | 200V | 53K2705 | --- |
| ● CRCW120697K6FKEA | 97.6kohm | ±100ppm/°C | 200V | 53K2717 | --- |
| ● CRCW1206100KFKEA | 100kohm | ±100ppm/°C | 200V | 53K1920 | --- |
| ● CRCW1206100KFKEB | 100kohm | ±100ppm/K | 200V | 65J2580 | 0.10 |
| ● CRCW1206102KFKEA | 102kohm | ±100ppm/°C | 200V | 53K1924 | --- |
| ● CRCW1206110KFKEA | 110kohm | ±100ppm/°C | 200V | 53K1938 | 0.01 |
| ● CRCW1206115KFKEA | 115kohm | ±100ppm/°C | 200V | 53K1943 | --- |
| ● CRCW1206118KFKEA | 118kohm | ±100ppm/°C | 200V | 53K1946 | --- |
| ● CRCW1206120KFKEA | 120kohm | ±100ppm/°C | 200V | 53K1956 | 0.00 |
| ● CRCW1206121KFKEA | 121kohm | ±100ppm/°C | 200V | 53K1959 | 0.13 |
| ● CRCW1206124KFKEA | 124kohm | ±100ppm/°C | 200V | 53K1962 | 0.01 |
| ● CRCW1206130KFKEA | 130kohm | ±100ppm/°C | 200V | 53K1972 | --- |
| ● CRCW1206133KFKEA | 133kohm | ±100ppm/°C | 200V | 53K1974 | --- |
| ● CRCW1206137KFKEA | 137kohm | ±100ppm/°C | 200V | 53K1978 | --- |
| ● CRCW1206147KFKEA | 147kohm | ±100ppm/°C | 200V | 53K1990 | 0.00 |
| ● CRCW1206150KFKEA | 150kohm | ±100ppm/°C | 200V | 53K2000 | 0.01 |
| ● CRCW1206154KFKEA | 154kohm | ±100ppm/°C | 200V | 53K2003 | --- |
| ● CRCW1206160KFKEA | 160kohm | ±100ppm/°C | 200V | 53K2017 | 0.13 |
| ● CRCW1206162KFKEA | 162kohm | ±100ppm/°C | 200V | 53K2019 | --- |
| ● CRCW1206174KFKEA | 174kohm | ±100ppm/°C | 200V | 53K2030 | --- |

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut 1-9+ |
|---|----------|-------------------|----------------|-----------|------------------|
| 1206 [3216 Metric], 250 mW, ± 1% | | | | | |
| ● CRCW1206178KFKEA | 178kohm | ±100ppm/°C | 200V | 53K2032 | 0.01 |
| ● CRCW1206180KFKEA | 180kohm | ±100ppm/°C | 200V | 53K2042 | --- |
| ● CRCW1206182KFKEA | 182kohm | ±100ppm/°C | 200V | 53K2045 | 0.10 |
| ● CRCW1206187KFKEA | 187kohm | ±100ppm/°C | 200V | 53K2047 | 0.01 |
| ● CRCW1206191KFKEA | 191kohm | ±100ppm/°C | 200V | 53K2052 | --- |
| ● CRCW1206200KFKEA | 200kohm | ±100ppm/°C | 200V | 53K2135 | 0.13 |
| ● CRCW1206210KFKEA | 210kohm | ±100ppm/°C | 200V | 53K2146 | 0.10 |
| ● CRCW1206215KFKEA | 215kohm | ±100ppm/°C | 200V | 53K2148 | --- |
| ● CRCW1206220KFKEA | 220kohm | ±100ppm/°C | 200V | 53K2157 | 0.09 |
| ● CRCW1206221KFKEA | 221kohm | ±100ppm/°C | 200V | 53K2158 | 0.01 |
| ● CRCW1206232KFKEA | 232kohm | ±100ppm/°C | 200V | 53K2167 | --- |
| ● CRCW1206237KFKEA | 237kohm | ±100ppm/°C | 200V | 53K2169 | 0.01 |
| ● CRCW1206240KFKEA | 240kohm | ±100ppm/°C | 200V | 53K2179 | --- |
| ● CRCW1206249KFKEA | 249kohm | ±100ppm/°C | 200V | 53K2183 | 0.00 |
| ● CRCW1206294KFKEA | 294kohm | ±100ppm/°C | 200V | 53K2217 | --- |
| ● CRCW1206300KFKEA | 300kohm | ±100ppm/°C | 200V | 53K2281 | 0.00 |
| ● CRCW1206301KFKEA | 301kohm | ±100ppm/°C | 200V | 53K2283 | 0.00 |
| ● CRCW1206309KFKEA | 309kohm | ±100ppm/°C | 200V | 53K2286 | --- |
| ● CRCW1206316KFKEA | 316kohm | ±100ppm/°C | 200V | 53K2290 | --- |
| ● CRCW1206324KFKEA | 324kohm | ±100ppm/°C | 200V | 53K2294 | --- |
| ● CRCW1206330KFKEA | 330kohm | ±100ppm/°C | 200V | 53K2301 | 0.00 |
| ● CRCW1206332KFKEA | 332kohm | ±100ppm/°C | 200V | 53K2304 | --- |
| ● CRCW1206340KFKEA | 340kohm | ±100ppm/°C | 200V | 53K2311 | --- |
| ● CRCW1206348KFKEA | 348kohm | ±100ppm/°C | 200V | 53K2313 | 0.01 |
| ● CRCW1206360KFKEA | 360kohm | ±100ppm/°C | 200V | 53K2324 | --- |
| ● CRCW1206365KFKEA | 365kohm | ±100ppm/°C | 200V | 53K2326 | --- |
| ● CRCW1206374KFKEA | 374kohm | ±100ppm/°C | 200V | 53K2330 | --- |
| ● CRCW1206383KFKEA | 383kohm | ±100ppm/°C | 200V | 53K2335 | --- |
| ● CRCW1206390KFKEA | 390kohm | ±100ppm/°C | 200V | 53K2340 | --- |
| ● CRCW1206392KFKEA | 392kohm | ±100ppm/°C | 200V | 53K2342 | 0.01 |
| ● CRCW1206402KFKEA | 402kohm | ±100ppm/°C | 200V | 53K2392 | 0.01 |
| ● CRCW1206422KFKEA | 422kohm | ±100ppm/°C | 200V | 53K2400 | --- |
| ● CRCW1206432KFKEA | 432kohm | ±100ppm/°C | 200V | 53K2408 | --- |
| ● CRCW1206475KFKEA | 475kohm | ±100ppm/°C | 200V | 53K2430 | 0.00 |
| ● CRCW1206487KFKEA | 487kohm | ±100ppm/°C | 200V | 53K2434 | --- |
| ● CRCW1206494KFKEA | 499kohm | ±100ppm/°C | 200V | 53K2440 | 0.00 |
| ● CRCW1206510KFKEA | 510kohm | ±100ppm/°C | 200V | 53K2481 | 0.01 |
| ● CRCW1206561KFKEA | 511kohm | ±100ppm/°C | 200V | 53K2483 | 0.01 |
| ● CRCW1206549KFKEA | 549kohm | ±100ppm/°C | 200V | 53K2496 | --- |
| ● CRCW1206560KFKEA | 560kohm | ±100ppm/°C | 200V | 53K2502 | --- |
| ● CRCW1206562KFKEA | 562kohm | ±100ppm/°C | 200V | 53K2504 | --- |
| ● CRCW1206604KFKEA | 604kohm | ±100ppm/°C | 200V | 53K2547 | --- |
| ● CRCW1206649KFKEA | 649kohm | ±100ppm/°C | 200V | 53K2563 | --- |
| ● CRCW1206820KFKEA | 820kohm | ±100ppm/°C | 200V | 53K2664 | 0.01 |
| ● CRCW1206825KFKEA | 825kohm | ±100ppm/°C | 200V | 53K2666 | --- |
| ● CRCW1206909KFKEA | 909kohm | ±100ppm/°C | 200V | 53K2702 | --- |
| ● CRCW1206910KFKEA | 910kohm | ±100ppm/°C | 200V | 53K2707 | --- |
| ● CRCW1206976KFKEA | 976kohm | ±100ppm/°C | 200V | 53K2719 | --- |
| ● CRCW12061M00FKEA | 1Mohm | ±100ppm/°C | 200V | 53K1810 | 0.23 |
| ● CRCW12061M00FKEB | 1Mohm | ±100ppm/K | 200V | 65J2545 | 0.10 |
| ● CRCW12061M21FKEA | 1.21Mohm | ±100ppm/°C | 200V | 53K1824 | --- |
| ● CRCW12061M50FKEA | 1.5Mohm | ±100ppm/°C | 200V | 53K1838 | 0.00 |
| ● CRCW12062M00FKEA | 2Mohm | ±100ppm/°C | 200V | 53K2074 | 0.01 |
| ● CRCW12062M20FKEA | 2.2Mohm | ±100ppm/°C | 200V | 42K4884 | --- |
| ● CRCW12062M62FKEA | 2.21Mohm | ±100ppm/°C | 200V | 53K2081 | --- |
| ● CRCW12062M49FKEA | 2.49Mohm | ±100ppm/°C | 200V | 53K2088 | --- |
| ● CRCW12063M01FKEA | 3.01Mohm | ±100ppm/°C | 200V | 53K2238 | --- |
| ● CRCW12063M48FKEA | 3.48Mohm | ±100ppm/°C | 200V | 53K2248 | --- |
| ● CRCW12064M75FKEA | 4.75Mohm | ±100ppm/°C | 200V | 53K2373 | --- |
| ● CRCW12064M99FKEA | 4.99Mohm | ±100ppm/°C | 200V | 53K2376 | 0.01 |
| ● CRCW12065M11FKEA | 5.11Mohm | ±100ppm/°C | 200V | 53K2452 | --- |
| ● CRCW12065M62FKEA | 5.62Mohm | ±100ppm/°C | 200V | 53K2459 | --- |
| ● CRCW120610M0FKEA | 10Mohm | ±100ppm/°C | 200V | 53K1912 | 0.13 |
| CRCW120610M0FCKTA | 10Mohm | ±100ppm/°C | 200V | 98C4388 | 0.14 |
| 1206 [3216 Metric], 250 mW, ± 5% | | | | | |
| ● CRCW120610R0JNEA | 10ohm | ±200ppm/°C | 200V | 53K1916 | 0.10 |
| ● CRCW1206180RJNEA | 180ohm | ±200ppm/°C | 200V | 53K2044 | 0.01 |
| ● CRCW1206100JNEA | 1kohm | ±200ppm/°C | 200V | 53K1781 | 0.13 |
| ● CRCW120610K0JNEA | 10kohm | ±200ppm/K | 200V | 42K4755 | 0.13 |
| ● CRCW120610K0JNEB | 10kohm | ±200ppm/K | 200V | 65J2567 | 0.01 |
| CRCW1206100MJPTAHR | 100Mohm | | | | |

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut 1-9+ |
|---|----------|-------------------|----------------|-----------|------------------|
| 1210 [3225 Metric], 500 mW, ± 1% | | | | | |
| ● CRCW121010R0FKEA | 10ohm | ±100ppm/°C | 200V | 53K2792 | 0.02 |
| ● CRCW121013R0FKEA | 13ohm | ±100ppm/°C | 200V | 53K2852 | --- |
| ● CRCW121015R0FKEA | 15ohm | ±100ppm/°C | 200V | 53K2890 | 0.03 |
| ● CRCW121018R2FKEA | 18.2ohm | ±100ppm/°C | 200V | 53K2939 | --- |
| ● CRCW121019R6FKEA | 19.6ohm | ±100ppm/°C | 200V | 53K2956 | --- |
| ● CRCW121020R0FKEA | 20ohm | ±100ppm/°C | 200V | 53K2996 | 0.25 |
| ● CRCW121022R0FKEA | 22ohm | ±100ppm/K | 200V | 53K3023 | 0.02 |
| ● CRCW121022R1FKEA | 22.1ohm | ±100ppm/°C | 200V | 53K3025 | --- |
| ● CRCW121024R3FKEA | 24.3ohm | ±100ppm/°C | 200V | 53K3055 | --- |
| ● CRCW121024R9FKEA | 24.9ohm | ±100ppm/°C | 200V | 53K3057 | 0.02 |
| ● CRCW121026R7FKEA | 26.7ohm | ±100ppm/°C | 200V | 53K3078 | --- |
| ● CRCW121027R4FKEA | 27.4ohm | ±100ppm/°C | 200V | 53K3091 | --- |
| ● CRCW121033R0FKEA | 33ohm | ±100ppm/°C | 200V | 53K3180 | 0.25 |
| ● CRCW121034R0FKEA | 34ohm | ±100ppm/°C | 200V | 53K3191 | --- |
| ● CRCW121038R3FKEA | 38.3ohm | ±100ppm/°C | 200V | 53K3229 | --- |
| ● CRCW121039R2FKEA | 39.2ohm | ±100ppm/°C | 200V | 53K3237 | --- |
| ● CRCW121040R2FKEA | 40.2ohm | ±100ppm/°C | 200V | 53K3261 | --- |
| ● CRCW121043R2FKEA | 43.2ohm | ±100ppm/°C | 200V | 53K3277 | --- |
| ● CRCW121047R0FKEA | 47ohm | ±100ppm/°C | 200V | 53K3305 | 0.25 |
| ● CRCW121047R5FKEA | 47.5ohm | ±100ppm/°C | 200V | 53K3307 | --- |
| ● CRCW121049R9FKEA | 49.9ohm | ±100ppm/°C | 200V | 53K3322 | 0.31 |
| ● CRCW121051R1FKEA | 51.1ohm | ±100ppm/°C | 200V | 53K3343 | --- |
| ● CRCW121056R2FKEA | 56.2ohm | ±100ppm/°C | 200V | 53K3366 | --- |
| ● CRCW121059R0FKEA | 59ohm | ±100ppm/°C | 200V | 53K3381 | --- |
| ● CRCW121061R9FKEA | 61.9ohm | ±100ppm/°C | 200V | 53K3409 | --- |
| ● CRCW121066R5FKEA | 66.5ohm | ±100ppm/°C | 200V | 53K3431 | --- |
| ● CRCW121068R0FKEA | 68ohm | ±100ppm/°C | 200V | 53K3439 | 0.03 |
| ● CRCW121075R0FKEA | 75ohm | ±100ppm/°C | 200V | 53K3474 | 0.02 |
| ● CRCW121080R6FKEA | 80.6ohm | ±100ppm/°C | 200V | 53K3503 | --- |
| ● CRCW121082R5FKEA | 82.5ohm | ±100ppm/°C | 200V | 53K3510 | --- |
| ● CRCW121090R9FKEA | 90.9ohm | ±100ppm/°C | 200V | 53K3541 | --- |
| ● CRCW1210100R0FKEA | 100ohm | ±100ppm/°C | 200V | 53K2796 | 0.03 |
| ● CRCW1210120R0FKEA | 120ohm | ±100ppm/°C | 200V | 53K2833 | 0.23 |
| ● CRCW1210121RFKEA | 121ohm | ±100ppm/°C | 200V | 53K2837 | --- |
| ● CRCW1210150RFKEA | 150ohm | ±100ppm/°C | 200V | 53K2894 | --- |
| ● CRCW1210160RFKEA | 160ohm | ±100ppm/°C | 200V | 53K2913 | 0.05 |
| ● CRCW1210165MRFKEA | 165ohm | ±100ppm/°C | 200V | 53K2921 | --- |
| ● CRCW1210180RFKEA | 180ohm | ±100ppm/°C | 200V | 53K2943 | --- |
| ● CRCW1210191RFKEA | 191ohm | ±100ppm/°C | 200V | 53K2958 | --- |
| ● CRCW1210200RFKEA | 200ohm | ±100ppm/°C | 200V | 53K3001 | --- |
| ● CRCW1210220RFKEA | 220ohm | ±100ppm/°C | 200V | 53K3028 | 0.02 |
| ● CRCW1210221RFKEA | 221ohm | ±100ppm/°C | 200V | 53K3032 | --- |
| ● CRCW1210249RFKEA | 249ohm | ±100ppm/°C | 200V | 53K3065 | --- |
| ● CRCW1210300RFKEA | 300hm | ±100ppm/°C | 200V | 53K3157 | --- |
| ● CRCW1210301RFKEA | 301ohm | ±100ppm/°C | 200V | 53K3161 | --- |
| ● CRCW1210330RFKEA | 330hm | ±100ppm/°C | 200V | 53K3182 | 0.03 |
| ● CRCW1210332RFKEA | 332ohm | ±100ppm/°C | 200V | 53K3186 | --- |
| ● CRCW1210412RFKEA | 402ohm | ±100ppm/°C | 200V | 53K3265 | --- |
| ● CRCW1210412RFKEA | 412ohm | ±100ppm/°C | 200V | 53K3269 | --- |
| ● CRCW1210470RFKEA | 470hm | ±100ppm/°C | 200V | 53K3308 | 0.02 |
| ● CRCW1210475RFKEA | 475ohm | ±100ppm/°C | 200V | 53K3312 | --- |
| ● CRCW1210499RFKEA | 499ohm | ±100ppm/°C | 200V | 53K3325 | --- |
| ● CRCW1210511RFKEA | 511ohm | ±100ppm/°C | 200V | 53K3346 | --- |
| ● CRCW1210560RFKEA | 560ohm | ±100ppm/°C | 200V | 53K3368 | 0.02 |
| ● CRCW1210590RFKEA | 590ohm | ±100ppm/°C | 200V | 53K3383 | --- |
| ● CRCW1210649RFKEA | 649hm | ±100ppm/°C | 200V | 53K3427 | --- |
| ● CRCW1210680RFKEA | 680hm | ±100ppm/°C | 200V | 53K3443 | --- |
| ● CRCW1210681RFKEA | 681hm | ±100ppm/°C | 200V | 53K3447 | --- |
| ● CRCW1210750RFKEA | 750hm | ±100ppm/°C | 200V | 53K3478 | --- |
| ● CRCW12101K00FKEA | 1kohm | ±100ppm/°C | 200V | 53K2727 | 0.25 |
| ● CRCW12101K18FKEA | 1kohm | ±100ppm/°C | 200V | 42K4141 | --- |
| ● CRCW12101K07FKEA | 1.07kohm | ±100ppm/°C | 200V | 53K2732 | --- |
| ● CRCW12101K10FKEA | 1.1kohm | ±100ppm/°C | 200V | 53K2734 | --- |
| ● CRCW12101K15FKEA | 1.15kohm | ±100ppm/°C | 200V | 53K2738 | --- |
| ● CRCW12101K20FKEA | 1.2kohm | ±100ppm/°C | 200V | 53K2741 | 0.05 |
| ● CRCW12101K21FKEA | 1.21kohm | ±100ppm/°C | 200V | 53K2743 | --- |
| ● CRCW12101K33FKEA | 1.33kohm | ±100ppm/°C | 200V | 53K2750 | --- |
| ● CRCW12101K50FKEA | 1.5kohm | ±100ppm/°C | 200V | 53K2759 | --- |
| ● CRCW12102K00FKEA | 2kohm | ±100ppm/°C | 200V | 53K2963 | 0.03 |
| ● CRCW12102K05FKEA | 2.05kohm | ±100ppm/°C | 200V | 53K2964 | --- |
| ● CRCW12102K21FKEA | 2.21kohm | ±100ppm/°C | 200V | 53K2969 | --- |
| ● CRCW12102K32FKEA | 2.32kohm | ±100ppm/°C | 200V | 53K2972 | --- |

► CONTINUED ►

| Mfg. Part No. | Res. | Temp. Coefficient | Voltage Rating | Stock No. | Tape Cut 1-9+ |
|---|----------|-------------------|----------------|-----------|------------------|
| 1210 [3225 Metric], 500 mW, ± 1% | | | | | |
| ● CRCW12102K37FKEA | 2.37kohm | ±100ppm/°C | 200V | 53K2974 | --- |
| ● CRCW12102K43FKEA | 2.43kohm | ±100ppm/°C | 200V | 53K2976 | --- |
| ● CRCW12102K49FKEA | 2.49kohm | ±100ppm/°C | 200V | 53K2978 | --- |
| ● CRCW12102K55FKEA | 2.55kohm | ±100ppm/°C | 200V | 53K2979 | --- |
| ● CRCW12102K67FKEA | 2.67kohm | ±100ppm/°C | 200V | 53K2983 | --- |
| ● CRCW12102K70FKEA | 2.7kohm | ±100ppm/°C | 200V | 53K2985 | 0.03 |
| ● CRCW12102K80FKEA | 2.8kohm | ±100ppm/°C | 200V | 53K2989 | --- |
| ● CRCW12103K30FKEA | 3.3kohm | ±100ppm/°C | 200V | 53K3124 | 0.03 |
| ● CRCW12103K65FKEA | 3.65kohm | ±100ppm/°C | 200V | 53K3137 | --- |
| ● CRCW12103K90FKEA | 3.9kohm | ±100ppm/°C | 200V | 53K3143 | --- |
| ● CRCW12104K32FKEA | 4.32kohm | ±100ppm/°C | 200V | 53K3247 | --- |
| ● CRCW12104K70FKEA | 4.7kohm | ±100ppm/°C | 200V | 53K3253 | 0.02 |
| ● CRCW12104K75FKEA | 4.75kohm | ±100ppm/°C | 200V | 53K3255 | --- |
| ● CRCW12104K99FKEA | 4.99kohm | ±100ppm/°C | 200V | 53K3258 | 0.02 |
| ● CRCW12105K10FKEA | 5.1kohm | ±100ppm/°C | 200V | 53K3326 | --- |
| ● CRCW12105K36FKEA | 5.36kohm | ±100ppm/°C | 200V | 53K3329 | --- |
| ● CRCW12105K60FKEA | 5.6kohm | ±100ppm/°C | 200V | 53K3333 | --- |
| ● CRCW12106K19FKEA | 6.19kohm | ±100ppm/°C | 200V | 53K3387 | --- |
| ● CRCW12106K81FKEA | 6.81kohm | ±100ppm/°C | 200V | 53K3395 | --- |
| ● CRCW12109K09FKEA | 9.09kohm | ±100ppm/°C | 200V | 53K3533 | --- |
| ● CRCW121010K0FKEA | 10kohm | ±100ppm/°C | 200V | 53K2785 | 0.31 |
| ● CRCW121015K0FKEA | 15kohm | ±100ppm/°C | 200V | 53K2886 | --- |
| ● CRCW121020K0FKEA | 20kohm | ±100ppm/°C | 200V | 53K2993 | 0.25 |
| ● CRCW121022K0FKEA | 22kohm | ±100ppm/°C | 200V | 53K3017 | 0.05 |
| ● CRCW121022K6FKEA | 22.6kohm | ±100ppm/°C | 200V | 53K3021 | 0.05 |
| ● CRCW121026K1FKEA | 26.1kohm | ±100ppm/°C | 200V | 53K3073 | --- |
| ● CRCW121030K0FKEA | 30kohm | ±100ppm/°C | 200V | 53K3148 | 0.01 |
| ● CRCW121033K2FKEA | 33.2kohm | ±100ppm/°C | 200V | 53K3178 | --- |
| ● CRCW121034K40FKEA | 34kohm | ±100ppm/°C | 200V | 53K3187 | --- |
| ● CRCW121042K2FKEA | 42.2kohm | ±100ppm/°C | 200V | 53K3271 | 0.05 |
| ● CRCW121047K5FKEA | 47.5kohm | ±100ppm/°C | 200V | 53K3304 | --- |
| ● CRCW121049K9FKEA | 49.9kohm | ±100ppm/°C | 200V | 53K3320 | 0.31 |
| ● CRCW121051K1FKEA | 51.1kohm | ±100ppm/°C | 200V | 53K3341 | --- |
| ● CRCW121061K9FKEA | 61.9kohm | ±100ppm/°C | 200V | 53K3407 | --- |
| ● CRCW121064K9FKEA | 64.9kohm | ±100ppm/°C | 200V | 53K3421 | --- |
| ● CRCW121093K1FKEA | 93.1kohm | ±100ppm/°C | 200V | 53K3546 | 0.05 |
| ● CRCW1210100KFKEA | 100kohm | ±100ppm/°C | 200V | 53K2795 | 0.02 |
| ● CRCW1210140KFKEA | 140kohm | ±100ppm/°C | 200V | 53K2875 | --- |
| ● CRCW1210162KFKEA | 162kohm | ±100ppm/°C | 200V | 53K2915 | --- |
| ● CRCW1210200KFKEA | 200kohm | ±100ppm/°C | 200V | 53K2999 | 0.02 |
| ● CRCW1210274KFKEA | 274kohm | ±100ppm/°C | 200V | 53K3093 | --- |
| ● CRCW1210402KFKEA | 402kohm | ±100ppm/°C | 200V | 53K3263 | --- |
| ● CRCW1210432KFKEA | 432kohm | ±100ppm/°C | 200V | 53K3279 | --- |
| ● CRCW1210442KFKEA | 442kohm | ±100ppm/°C | 200V | 53K3286 | --- |
| ● CRCW1210475KFKEA | 475kohm | ±100ppm/°C | 200V | 53K3310 | --- |
| ● CRCW1210499KFKEA | 499kohm | ±100ppm/°C | 200V | 53K3323 | --- |
| ● CRCW1210511KFKEA | 511kohm | ±100ppm/°C | 200V | 53K3344 | --- |
| ● CRCW12101M00FKEA | 1Mohm | ±100ppm/°C | 200V | 53K2784 | --- |

Features

- Terminal Lugs Suitable For Soldering or Bolting
 - Ideal For High-Wattage Applications
 - All-Welded Construction
 - Flame-Resistant Coating
- Specifications**
- Non-inductive versions are denoted by LN prefix in the mfg. part nos. listed in the tables below. Additional non-inductive parts are available; go online or call.



| Mfg. Part No. | Res. | Stock No. | Price Each 1-9+ |
|---|--------|-----------|--------------------|
| 12 W, 565 V, ± 5%, No. 5 Bracket | | | |
| L12J1R0E | 1ohm | 64K4840 | 5.62 |
| L12J10RE | 10ohm | 64K4843 | 5.96 |
| L12J100E | 100ohm | 64K4844 | 7.15 |
| L12J150E | 150ohm | 64K4850 | 5.96 |

► CONTINUED ►

RESISTOR NETWORKS

270 SERIES LUG-TYPE VITREOUS ENAMEL POWER RESISTORS (CONT.)

| Mfg. Part No. | Res. | Stock No. | Price Each 1-9+ |
|--|---------|-----------|--------------------|
| 25 W, 625 V, ± 5%, No. 9 Bracket | | | |
| ● L25J1R0E | 1ohm | 64K4954 | 7.31 |
| ● L25J2R0E | 2ohm | 64K2082 | 7.71 |
| ● L25J3R0E | 3ohm | 64K4972 | 7.49 |
| ● L25J4R0E | 4ohm | 64K4976 | 6.55 |
| ● L25J5R0E | 5ohm | 64K4979 | 6.74 |
| ● L25J10RE | 10ohm | 64K4956 | 7.70 |
| ● L25J15RE | 15ohm | 64K4961 | 7.35 |
| ● L25J25RE | 25ohm | 64K4968 | 7.96 |
| ● L25J50RE | 50ohm | 64K4981 | 7.98 |
| ● L25J75RE | 75ohm | 64K4987 | 7.14 |
| ● L25J100E | 100ohm | 64K4957 | 7.70 |
| ● L25J150E | 150ohm | 64K4962 | 7.35 |
| ● L25J200E | 200ohm | 64K4966 | 8.82 |
| ● L25J250E | 250ohm | 64K4969 | 6.73 |
| ● L25J500E | 500ohm | 64K4982 | 6.43 |
| ● L25J750E | 750ohm | 64K4988 | 7.35 |
| ● L25J1K0E | 1kohm | 64K4952 | 7.47 |
| ● L25J1K5E | 1.5kohm | 64K4953 | — |
| ● L25J2K0E | 2kohm | 64K4963 | 7.68 |
| ● L25J2K5E | 2.5kohm | 64K4964 | 5.29 |
| ● L25J3K0E | 3kohm | 64K4970 | 7.47 |
| ● L25J3K5E | 3.5kohm | 64K4971 | 7.47 |
| ● L25J4K0E | 4kohm | 64K4975 | 7.77 |
| ● L25J5K0E | 5kohm | 64K4978 | 9.32 |
| ● L25J6K0E | 6kohm | 64K4983 | 6.80 |
| ● L25J7K5E | 7.5kohm | 64K4985 | 7.87 |
| ● L25J10KE | 10kohm | 64K4955 | 7.63 |
| ● L25J12KE | 12kohm | 64K4959 | 9.06 |
| ● L25J15KE | 15kohm | 64K4960 | 7.04 |
| ● L25J20KE | 20kohm | 64K4965 | 9.14 |
| ● L25J25KE | 25kohm | 64K4967 | — |
| ● L25J40KE | 40kohm | 64K4977 | 10.03 |
| ● L25J50KE | 50kohm | 64K4980 | 12.04 |
| ● L25J100KE | 100kohm | 64K4958 | 10.71 |
| 25 W, 625 V, ± 5%, No. 61xx Bracket | | | |
| ● L25J10RE-MT1 | 10ohm | 86R9224 | 16.58 |
| ● L25J15RE-MT1 | 15ohm | 86R9226 | — |
| ● L25J25RE-MT1 | 25ohm | 86R9228 | 15.46 |
| ● L25J50RE-MT1 | 50ohm | 86R9229 | 16.58 |
| ● L25J100E-MT1 | 100ohm | 86R9225 | — |
| ● L25J150E-MT1 | 150ohm | 86R9227 | 16.58 |
| ● L25J500E-MT1 | 500ohm | 86R9230 | — |
| ● L25J1K0E-MT1 | 1kohm | 86R9223 | 16.87 |
| 50 W, 1.625 kV, ± 5%, No. 9 Bracket | | | |
| ● L50J1R0E | 1ohm | 64K4993 | 9.85 |
| ● L50J2R0E | 2ohm | 64K5005 | 10.83 |
| ● L50J3R0E | 3ohm | 64K5014 | 10.82 |
| ● L50J5R0E | 5ohm | 64K5019 | 10.82 |
| ● L50J10RE | 10ohm | 64K4995 | 11.40 |
| ● L50J25RE | 25ohm | 64K5010 | 10.55 |
| ● L50J50RE | 50ohm | 64K5021 | 11.23 |
| ● L50J100E | 100ohm | 64K4996 | 10.32 |
| ● L50J150E | 150ohm | 64K5000 | 9.03 |
| ● L50J200E | 200ohm | 64K5007 | 8.02 |
| ● L50J250E | 250ohm | 64K5011 | 11.68 |
| ● L50J500E | 500ohm | 64K5022 | 10.32 |
| ● L50J1K0E | 1kohm | 64K4991 | 10.54 |
| ● L50J1K5E | 1.5kohm | 64K4992 | 10.23 |
| ● L50J2K0E | 2kohm | 64K5003 | 10.54 |
| ● L50J2K5E | 2.5kohm | 64K5004 | 10.23 |
| ● L50J3K0E | 3kohm | 64K5013 | 10.23 |
| ● L50J5K0E | 5kohm | 64K5018 | 3.87 |
| ● L50J7K5E | 7.5kohm | 64K5023 | 9.21 |
| ● L50J10KE | 10kohm | 64K4994 | 4.57 |
| ● L50J15KE | 15kohm | 64K4999 | 9.35 |
| ● L50J20KE | 20kohm | 64K5006 | 11.24 |
| ● L50J50KE | 50kohm | 64K5020 | 15.95 |
| ● L50J100KE | 100kohm | 64K4997 | 15.32 |
| ● L50J150KE | 150kohm | 64K5001 | 14.13 |
| ● L50J200KE | 200kohm | 64K5008 | 11.84 |
| ● L50J250KE | 250kohm | 64K5012 | 14.84 |

270 SERIES LUG-TYPE VITREOUS ENAMEL POWER RESISTORS (CONT.)

| Mfg. Part No. | Res. | Stock No. | Price Each 1-9+ |
|--|---------|-----------|--------------------|
| 50 W, 1.625 kV, ± 10%, No. 9 Bracket | | | |
| ● L50J35KE | 35kohm | 64K5015 | 13.94 |
| 50 W, 1625 V, ± 5%, No. 9 Bracket | | | |
| ● L50J4R0E | 4ohm | 64K5017 | 10.82 |
| ● L50J75RE | 75ohm | 64K5025 | 9.53 |
| ● L50J750E | 750ohm | 64K5026 | 10.62 |
| 50 W, 1625 V, ± 5%, No. 61xx Bracket | | | |
| ● L50J10RE-MT1 | 10ohm | 86R9232 | 16.97 |
| ● L50J25RE-MT1 | 25ohm | 86R9234 | — |
| ● L50J50RE-MT1 | 50ohm | 86R9236 | 8.08 |
| ● L50J100E-MT1 | 100ohm | 86R9233 | — |
| ● L50J500E-MT1 | 500ohm | 86R9237 | 16.97 |
| ● L50J1K0E-MT1 | 1kohm | 86R9231 | 16.91 |
| 100 W, 2.845 kV, ± 5%, No. 12 Bracket | | | |
| ● L100J1R0E | 1ohm | 64K4807 | 15.14 |
| ● L100J2R0E | 2ohm | 64K4817 | 14.35 |
| ● L100J3R0E | 3ohm | 64K4823 | 13.82 |
| ● L100J5R0E | 5ohm | 64K4827 | 13.82 |
| ● L100J10RE | 10ohm | 64K4809 | 14.47 |
| ● L100J25RE | 25ohm | 64K4820 | 15.04 |
| ● L100J50RE | 50ohm | 64K4829 | 15.50 |
| ● L100J75RE | 75ohm | 64K4834 | 14.71 |
| ● L100J100E | 100ohm | 64K4810 | 10.69 |
| ● L100J150E | 150ohm | 64K4814 | 14.30 |
| ● L100J250E | 250ohm | 64K4821 | 13.07 |
| ● L100J500E | 500ohm | 64K4830 | 15.27 |
| ● L100J1K0E | 1kohm | 64K4805 | 12.46 |
| ● L100J2K0E | 2kohm | 64K4815 | 14.76 |
| ● L100J2K5E | 2.5kohm | 64K4816 | 14.76 |
| ● L100J3K0E | 3kohm | 64K4822 | 14.76 |
| ● L100J5K0E | 5kohm | 64K4826 | 14.76 |
| ● L100J7K5E | 7.5kohm | 64K4832 | 14.76 |
| ● L100J10KE | 10kohm | 64K4808 | 15.22 |
| ● L100J20KE | 20kohm | 64K4818 | 15.22 |
| ● L100J50KE | 50kohm | 64K4828 | 16.00 |
| ● L100J100KE | 100kohm | 64K4811 | 18.91 |
| 100 W, 2845 V, ± 5%, No. 12 Bracket | | | |
| ● L100J4R0E | 4ohm | 64K4825 | 14.12 |
| 100 W, 2845 V, ± 5%, No. 61xx Bracket | | | |
| ● L100J10RE-MT1 | 10ohm | 86R9214 | 33.09 |
| ● L100J100E-MT1 | 100ohm | 86R9215 | — |
| ● L100J150E-MT1 | 150ohm | 86R9216 | 32.62 |
| ● L100J500E-MT1 | 500ohm | 86R9218 | 32.62 |
| 175 W, 3.595 kV, ± 5%, No. 18 Bracket | | | |
| ● L175J10RE | 10ohm | 64K4893 | 20.72 |
| ● L175J25RE | 25ohm | 64K4904 | 17.60 |
| ● L175J50RE | 50ohm | 64K4914 | 19.99 |
| ● L175J100E | 100ohm | 64K4894 | 19.90 |
| ● L175J150E | 150ohm | 64K4898 | — |
| ● L175J250E | 250ohm | 64K4905 | 19.90 |
| ● L175J1K0E | 1kohm | 64K4889 | 18.75 |
| 225 W, 4.595 kV, ± 5%, No. 18 Bracket | | | |
| ● L225J1R0E | 1ohm | 64K4923 | 35.21 |
| ● L225J2R0E | 2ohm | 64K4932 | 26.23 |
| ● L225J3R0E | 3ohm | 64K4938 | 21.12 |
| ● L225J4R0E | 4ohm | 64K4940 | 22.71 |
| ● L225J5R0E | 5ohm | 64K4943 | 25.57 |
| ● L225J10RE | 10ohm | 64K4925 | 18.94 |
| ● L225J25RE | 25ohm | 64K4935 | 22.67 |
| ● L225J50RE | 50ohm | 64K4945 | 21.57 |
| ● L225J75RE | 75ohm | 64K4950 | 23.29 |
| ● L225J100E | 100ohm | 64K4926 | 21.92 |
| ● L225J150E | 150ohm | 64K4929 | 18.90 |
| ● L225J250E | 250ohm | 64K4936 | 19.99 |
| ● L225J500E | 500ohm | 64K4946 | 19.99 |
| ● L225J750E | 750ohm | 64K4951 | 10.90 |
| ● L225J1K0E | 1kohm | 64K4921 | 19.64 |
| ● L225J1K5E | 1.5kohm | 64K4922 | 19.82 |
| ● L225J2K0E | 2kohm | 64K4930 | 14.59 |
| ● L225J2K5E | 2.5kohm | 64K4931 | 18.76 |
| ● L225J3K0E | 3kohm | 64K4937 | 20.14 |
| ● L225J5K0E | 5kohm | 64K4942 | 21.53 |

► CONTINUED ►

► CONTINUED ►

RESISTOR NETWORKS

270 SERIES LUG-TYPE VITREOUS ENAMEL POWER RESISTORS (CONT.)

| Mfg. Part No. | Res. | Stock No. | Price Each 1-9+ |
|---------------------------------------|---------|-----------|--------------------|
| 225 W, 4.595 kV, ± 5%, No. 18 Bracket | | | |
| ● L225J10KE | 10kohm | 64K4924 | 20.04 |
| ● L225J15KE | 15kohm | 64K4928 | --- |
| ● L225J20KE | 20kohm | 64K4933 | 18.40 |
| ● L225J30KE | 30kohm | 64K4939 | 19.03 |
| ● L225J50KE | 50kohm | 64K4944 | 11.80 |
| ● L225J100KE | 100kohm | 64K4927 | 24.43 |
| 225 W, 4595 V, ± 5%, No. 61xx Bracket | | | |
| ● L225J25RE-MT1 | 25ohm | 86R9220 | 46.70 |
| ● L225J100E-MT1 | 100ohm | 86R9219 | 46.70 |
| ● L225J250E-MT1 | 250ohm | 86R9221 | 45.31 |
| ● L225J500E-MT1 | 500ohm | 86R9222 | --- |

PIM_9555

210 SERIES DIVIDOHM® VITREOUS ENAMEL ADJUSTABLE POWER RESISTORS



Features

- Terminals Suitable for Soldering or Bolt Connection
- Additional Adjustable Lug Supplied
- All-Welded Construction
- Flame-Resistant Coating
- Adjustability is 10% to 90% of full value wattage in proportion to this adjusted resistance value
- Tolerance: ±10%
- Temperature Coefficient: 260ppm/°C
- Dielectric Withstanding Voltage
- 1000VAC: 12W to 100W Rating
- 3000VAC: 175W and 225W Rating
- Power Rating: Based on 25°C Free Air Rating. The Stated Wattage Rating Applies Only when the Entire Resistance is in the Circuit.

Specifications

Order lugs separately below. Brackets also available; go online or call

| Mfg. Part No. | Res. | Stock No. | Price Each 1+ |
|---------------------------|---------|-----------|------------------|
| 12 W, 565 V, ± 10% | | | |
| ● D12K1R0E | 1ohm | 64K4184 | --- |
| ● D12K2R0E | 2ohm | 64K4193 | 13.62 |
| ● D12K3R0E | 3ohm | 64K4200 | 13.62 |
| ● D12K5R0E | 5ohm | 64K4207 | 13.62 |
| ● D12K7R5E | 7.5ohm | 64K4214 | 13.50 |
| ● D12K10RE | 10ohm | 64K4186 | 7.54 |
| ● D12K20RE | 20ohm | 64K4194 | 13.50 |
| ● D12K25RE | 25ohm | 64K4196 | --- |
| ● D12K50RE | 50ohm | 64K4208 | 13.50 |
| ● D12K150E | 150ohm | 64K4189 | 7.77 |
| ● D12K300E | 300ohm | 64K4201 | 13.96 |
| ● D12K400E | 400ohm | 64K4205 | 13.96 |
| ● D12K500E | 500ohm | 64K4209 | 13.96 |
| ● D12K1K0E | 1kohm | 64K4181 | 13.80 |
| ● D12K2K0E | 2kohm | 64K4190 | 11.04 |
| ● D12K2K5E | 2.5kohm | 64K4192 | 11.04 |
| ● D12K3K0E | 3kohm | 64K4198 | 11.04 |
| ● D12K5K0E | 5kohm | 64K4206 | 11.23 |
| 25 W, 625 V, ± 10% | | | |
| ● D25K1R0E | 1ohm | 64K4272 | 12.11 |
| ● D25K2R0E | 2ohm | 64K4283 | 13.16 |
| ● D25K3R0E | 3ohm | 64K4292 | 15.38 |
| ● D25K5R0E | 5ohm | 64K4298 | 15.40 |
| ● D25K7R5E | 7.5ohm | 64K4304 | 13.54 |
| ● D25K10RE | 10ohm | 64K4274 | 14.99 |
| ● D25K15RE | 15ohm | 64K4278 | 13.54 |
| ● D25K20RE | 20ohm | 64K4285 | 14.99 |
| ● D25K25RE | 25ohm | 64K4288 | 14.63 |
| ● D25K50RE | 50ohm | 64K4299 | 14.40 |
| ● D25K75RE | 75ohm | 64K4305 | 13.54 |
| ● D25K100E | 100ohm | 64K4275 | 13.54 |
| ● D25K150E | 150ohm | 64K4279 | 13.54 |
| ● D25K250E | 250ohm | 64K4289 | 14.99 |
| ● D25K300E | 300ohm | 64K4293 | 8.50 |
| ● D25K500E | 500ohm | 64K4300 | 12.04 |
| ● D25K1K0E | 1kohm | 64K4269 | 14.41 |
| ● D25K1K5E | 1.5kohm | 64K4271 | 16.02 |
| ● D25K2K0E | 2kohm | 64K4280 | 15.49 |
| ● D25K3K0E | 3kohm | 64K4290 | 14.00 |
| ● D25K5K0E | 5kohm | 64K4297 | 13.15 |
| ● D25K6K0E | 6kohm | 64K4301 | 11.27 |
| ● D25K10KE | 10kohm | 64K4273 | 11.27 |

► CONTINUED ►

210 SERIES DIVIDOHM® VITREOUS ENAMEL ADJUSTABLE POWER RESISTORS (CONT.)

| Mfg. Part No. | Res. | Stock No. | Price Each 1+ |
|-------------------------------|---------|-----------|------------------|
| 25 W, 625 V, ± 10% | | | |
| ● D25K20KE | 20kohm | 64K4284 | 11.62 |
| ● D25K25KE | 25kohm | 64K4287 | 11.62 |
| 50 W, 1,625 kV, ± 10% | | | |
| ● D50K1R0E | 1ohm | 64K4313 | 18.54 |
| ● D50K2R0E | 2ohm | 64K4324 | 23.36 |
| ● D50K3R0E | 3ohm | 64K4332 | 20.45 |
| ● D50K4R0E | 4ohm | 64K4337 | 16.71 |
| ● D50K5R0E | 5ohm | 64K4341 | 20.04 |
| ● D50K10RE | 10ohm | 64K4315 | 17.49 |
| ● D50K25RE | 25ohm | 64K4328 | 17.49 |
| ● D50K50RE | 50ohm | 64K4343 | 17.49 |
| ● D50K75RE | 75ohm | 64K4349 | --- |
| ● D50K100E | 100ohm | 64K4316 | 19.33 |
| ● D50K200E | 200ohm | 64K4326 | 13.81 |
| ● D50K250E | 250ohm | 64K4329 | 13.81 |
| ● D50K300E | 300ohm | 64K4334 | 17.49 |
| ● D50K400E | 400ohm | 64K4339 | 13.81 |
| ● D50K500E | 500ohm | 64K4344 | 17.49 |
| ● D50K750E | 750ohm | 64K4350 | 17.49 |
| ● D50K1K0E | 1kohm | 64K4310 | 19.60 |
| ● D50K1K5E | 1.5kohm | 64K4312 | 18.33 |
| ● D50K2K0E | 2kohm | 64K4321 | 11.66 |
| ● D50K2K5E | 2.5kohm | 64K4323 | 14.47 |
| ● D50K5K0E | 5kohm | 64K4340 | 14.75 |
| ● D50K10KE | 10kohm | 64K4314 | --- |
| ● D50K20KE | 20kohm | 64K4325 | 18.68 |
| ● D50K50KE | 50kohm | 64K4342 | 14.75 |
| 50 W, 1625 V, ± 10% | | | |
| ● D50K25KE | 25kohm | 64K4327 | --- |
| 75 W, 2,625 kV, ± 10% | | | |
| ● D75K50RE | 50ohm | 64K4390 | 20.16 |
| 100 W, 2,845 kV, ± 10% | | | |
| ● D100K1R0E | 1ohm | 64K4159 | 32.19 |
| ● D100K2R0E | 2ohm | 64K4166 | 16.84 |
| ● D100K3R0E | 3ohm | 64K4171 | 30.10 |
| ● D100K4R0E | 4ohm | 64K4173 | 26.05 |
| ● D100K5R0E | 5ohm | 64K4176 | 28.07 |
| ● D100K10RE | 10ohm | 64K4161 | 29.89 |
| ● D100K25RE | 25ohm | 64K4169 | 16.35 |
| ● D100K50RE | 50ohm | 64K4178 | 26.47 |
| ● D100K100E | 100ohm | 64K4162 | 27.25 |
| ● D100K250E | 250ohm | 64K4170 | 27.80 |
| ● D100K500E | 500ohm | 64K4179 | 25.81 |
| ● D100K1K0E | 1kohm | 64K4157 | 23.40 |
| ● D100K1K5E | 1.5kohm | 64K4158 | 15.94 |
| ● D100K5K0E | 5kohm | 64K4175 | 24.70 |
| ● D100K100KE | 100kohm | 64K4163 | 20.72 |
| 175 W, 3,595 kV, ± 10% | | | |
| ● D175K5R0E | 5ohm | 64K4240 | 35.91 |
| ● D175K10RE | 10ohm | 64K4225 | 32.93 |
| ● D175K25RE | 25ohm | 64K4233 | 24.16 |
| ● D175K50RE | 50ohm | 64K4242 | 39.52 |
| ● D175K100E | 100ohm | 64K4226 | 31.92 |
| ● D175K250E | 250ohm | 64K4234 | 18.48 |
| ● D175K500E | 500ohm | 64K4243 | 28.07 |
| 225 W, 4,595 kV, ± 10% | | | |
| ● D225K1R0E | 1ohm | 64K4247 | 49.76 |
| ● D225K2R0E | 2ohm | 64K4254 | 49.46 |
| ● D225K3R0E | 3ohm | 64K4259 | 47.64 |
| ● D225K5R0E | 5ohm | 64K4264 | 44.20 |
| ● D225K10RE | 10ohm | 64K4249 | 42.41 |
| ● D225K25RE | 25ohm | 64K4257 | 40.56 |
| ● D225K50RE | 50ohm | 64K4266 | 42.11 |
| ● D225K100E | 100ohm | 64K4250 | 35.29 |
| ● D225K250E | 250ohm | 64K4258 | 34.72 |
| ● D225K500E | 500ohm | 64K4267 | 33.46 |
| ● D225K1K0E | 1kohm | 64K4245 | 29.59 |
| ● D225K2K5E | 2.5kohm | 64K4253 | 29.66 |
| ● D225K5K0E | 5kohm | 64K4263 | 20.15 |
| ● D225K10KE | 10kohm | 64K4248 | 32.22 |

► CONTINUED ►

RESISTOR NETWORKS

210 SERIES DIVIDOHM® VITREOUS ENAMEL ADJUSTABLE POWER RESISTORS (CONT.)

| Mfg. Part No. | Type | For Use With | Stock No. | Price Each 1-14+ |
|---------------|------------------------|--|-----------|---------------------|
| ● 2121E | Adjustable Lug, 7.94" | Ohmite 210 Series Adjustable Resistors | 64K8080 | 3.39 |
| ● 2125E | Adjustable Lug, 14.3" | Ohmite 210 Series Adjustable Resistors | 64K8084 | 3.10 |
| ● 2133E | Adjustable Lug, 19.05" | Ohmite 210 Series Adjustable Resistors | 64K8088 | 3.60 |
| ● 2135E | Adjustable Lug, 28.58" | Ohmite 210 Series Adjustable Resistors | 64K8090 | 13.50 |

PIM_9451

280 SERIES CORRIB® FIXED AND ADJUSTABLE VITREOUS ENAMEL POWER RESISTORS



Features

- Ribbed Construction For Rapid Cooling
- Ideal for Equipment Requiring Low Resistance Loads at Low Ohms and High Current Capacity
- Especially Constructed for Motor Starting, Dynamic Braking, etc.

Specifications

- Tolerance: ±10%

- Power Rating: Based on 25°C Free Air Rating
- Derates Linearly from 100% @ +25°C to 0% @ +400°C
- Temperature Coefficient: 400ppm/°C
- Dielectric Withstanding Voltage: 1000VAC
- Part numbers starting with "C" are Fixed and "E" are Adjustable

| Mfg. Part No. | Res. | Stock No. | Price Each 1-4+ |
|---------------------------------|---------|-----------|--------------------|
| 300 W, ± 10%, Adjustable | | | |
| ● E300KR12E | 0.12ohm | 64K4411 | 51.66 |
| ● E300KR20E | 0.2ohm | 64K4413 | 46.97 |
| ● E300KR25E | 0.25ohm | 64K4414 | 46.97 |
| ● E300KR40E | 0.4ohm | 64K4416 | 34.66 |
| ● E300KR63E | 0.63ohm | 64K4418 | 43.58 |
| ● E300KR80E | 0.8ohm | 64K4419 | 45.61 |
| ● E300K1R0E | 1ohm | 64K4420 | 42.25 |
| ● E300K1R6E | 1.6ohm | 64K4422 | 39.67 |
| ● E300K2R0E | 2ohm | 64K4426 | 40.56 |
| ● E300K2R5E | 2.5ohm | 64K4427 | 38.27 |
| ● E300K3R1E | 3.1ohm | 64K4429 | 40.56 |
| ● E300K4R0E | 4ohm | 64K4430 | 40.56 |
| ● E300K5R0E | 5ohm | 64K4431 | 39.05 |
| ● E300K6R3E | 6.3ohm | 64K4432 | 36.84 |
| ● E300K8R0E | 8ohm | 64K4433 | 19.78 |
| ● E300K10RE | 10ohm | 64K4423 | 37.91 |
| ● E300K12RE | 12ohm | 64K4424 | 35.76 |
| ● E300K16RE | 16ohm | 64K4425 | 37.91 |
| ● E300K20RE | 20ohm | 64K4428 | 37.87 |
| 300 W, ± 10%, Fixed | | | |
| ● C300KR10E | 0.1ohm | 64K4134 | 33.27 |
| ● C300KR20E | 0.2ohm | 64K4136 | 34.52 |
| ● C300KR25E | 0.25ohm | 64K4137 | 38.99 |
| ● C300KR31E | 0.31ohm | 64K4138 | 34.52 |
| ● C300KR50E | 0.5ohm | 64K4140 | 33.41 |
| ● C300KR63E | 0.63ohm | 64K4141 | 35.99 |
| ● C300K1R0E | 1ohm | 64K4143 | 22.71 |
| ● C300K1R2E | 1.2ohm | 64K4144 | 32.22 |
| ● C300K1R6E | 1.6ohm | 64K4145 | 32.22 |
| ● C300K2R0E | 2ohm | 64K4149 | 29.78 |
| ● C300K2R5E | 2.5ohm | 64K4150 | 29.78 |
| ● C300K3R1E | 3.1ohm | 64K4152 | 29.78 |
| ● C300K4R0E | 4ohm | 64K4153 | 29.78 |
| ● C300K5R0E | 5ohm | 64K4154 | 30.71 |
| ● C300K6R3E | 6.3ohm | 64K4155 | 14.40 |
| ● C300K8R0E | 8ohm | 64K4156 | 21.74 |
| ● C300K10RE | 10ohm | 64K4146 | 24.15 |
| ● C300K12RE | 12ohm | 64K4147 | 22.73 |
| ● C300K16RE | 16ohm | 64K4148 | 28.54 |
| ● C300K20RE | 20ohm | 64K4151 | 28.54 |

PIM_9576

RH SERIES (MIL-R-18546D, TYPE RE) CHASSIS MOUNT WIREWOUND RESISTORS

- Molded, Welded Construction for Total Environmental Protection
- Meets MIL-PRF-18546
- Available in Noninductive Styles (Series NH) with Aryton-Perry Winding for Lowest Reactive Components
- Mounts on Chassis to Utilize Heat-Sink Effect
- Excellent Stability in Operation

Vishay RH resistor wattage ratings are based on mounting to a suitable heat sink.



RH SERIES (MIL-R-18546D, TYPE RE) CHASSIS MOUNT WIREWOUND RESISTORS (CONT.)

| Mfg. Part No. | Res. | Stock No. | Price Each 1-9+ |
|---------------------|---------|-----------|--------------------|
| 7.5 W, ± 1% | | | |
| ● RH005R1500FE02 | 0.15ohm | 65K1824 | --- |
| ● RH005R5000FE02 | 0.5ohm | 41K9061 | 3.57 |
| ● RH005R2000FE02 | 2ohm | 41K9069 | 3.34 |
| ● RH0057R000FE02 | 7ohm | 65K1838 | --- |
| ● RH005330R0FE02 | 330ohm | 65K1834 | --- |
| ● RH005390R0FE02 | 390ohm | 65K1835 | 4.41 |
| 12.5 W, ± 1% | | | |
| ● RH010R2000FE02 | 0.2ohm | 65K1842 | 3.94 |
| ● RH013R000FE02 | 3ohm | 41K9091 | 2.59 |
| ● RH0101K000FE02 | 1kohm | 41K9080 | 0.82 |
| 25 W, ± 1% | | | |
| ● RH025R2500FE02 | 0.25ohm | 65K1859 | 4.83 |
| ● RH0251R000FE02 | 1ohm | 65K1861 | 4.19 |
| ● RH0254R000FE02 | 4ohm | 65K1871 | 3.94 |
| ● RH0251R000FE02 | 15ohm | 65K1865 | 3.94 |
| ● RH02522R50FE02 | 22.5ohm | 65K1869 | 4.13 |
| ● RH0257R000FE02 | 75ohm | 41K9135 | 5.28 |
| 50 W, ± 1% | | | |
| ● RH050R0500FE02 | 0.05ohm | 65K1875 | 8.73 |
| ● RH050R1500FE02 | 0.15ohm | 65K1876 | 11.55 |
| ● RH0522R50FE02 | 22.5ohm | 41K9159 | 4.84 |
| ● RH050330R0FE02 | 390ohm | 65K1889 | 1.96 |
| ● RH05100K0FE02 | 100kohm | 41K9147 | 7.15 |

PIM_9556

THS SERIES ALUMINUM HOUSED AXIAL POWER WIREWOUND RESISTORS

Applications

- Braking resistor
- Capacitor charging/discharging
- Crowbar
- Filter

Features

- Extremely stable
- High Power dissipation
- Low surface temperature

Specifications

- Tolerance: ± 5%

| Mfg. Part No. | Res. | Stock No. | Price Each 1-24+ |
|----------------------------|---------|-----------|---------------------|
| 10 W, 160 V, ± 5% | | | |
| ● THS10R50J | 0.5ohm | 17R5610 | 2.55 |
| ● THS105R0J | 5ohm | 16R9902 | 1.25 |
| 15 W, 265 V, ± 5% | | | |
| ● THS15R05J | 0.05ohm | 17R5611 | 0.53 |
| ● THS1522RJ | 22ohm | 16R9912 | 1.47 |
| ● THS15330RJ | 330ohm | 18R0463 | 1.46 |
| 25 W, 550 V, ± 5% | | | |
| ● THS258R2J | 8.2ohm | 17R7319 | 1.73 |
| ● THS25150RJ | 150ohm | 18R4380 | 3.03 |
| 50 W, 1.25 kV, ± 5% | | | |
| ● THS50R05J | 0.05ohm | 17R5595 | --- |
| ● THS50R33J | 0.33ohm | 17R5599 | 3.77 |
| ● THS50R2J | 2.2ohm | 16R9889 | 1.77 |
| ● THS503R9J | 3.9ohm | 16R9892 | 2.36 |
| ● THS5010RJ | 10ohm | 17R7292 | 3.41 |
| ● THS5012RJ | 12ohm | 17R7293 | 1.67 |
| ● THS5027RJ | 27ohm | 18R0441 | 2.02 |
| ● THS5033RJ | 33ohm | 18R0442 | 1.69 |
| ● THS5075RJ | 75ohm | 18R0447 | 1.77 |
| ● THS50560RJ | 560ohm | 18R4364 | 1.58 |
| 75 W, 1.4 kV, ± 5% | | | |
| ● THS75R3J | 3.3ohm | 51R8391 | 6.13 |
| ● THS7522RJ | 22ohm | 51R8390 | 9.20 |
| ● THS7533RJ | 33ohm | 51R8392 | 8.23 |

PIM_165126



AUTHORIZED DISTRIBUTOR



● Temp. Coeff: below 100 ohm: ±50ppm/°C; above 100 ohm: ±30ppm/°C

CURRENT SENSE RESISTORS – SMD

WSL SERIES POWER METAL STRIP® CURRENT SENSE RESISTORS
(CONT.)

| Mfg. Part No. | Res. | Temp. Coefficient | Stock No. | Price Each 1-9+ |
|---------------------------------|----------|-------------------|-----------|--------------------|
| 1 W, ± 1%, High Power | | | | |
| ● WSL20101L000FEK18 | 0.001ohm | ± 275ppm/°C | 72M6584 | --- |
| ● WSL20101L000FEA18 | 0.001ohm | ± 275ppm/°C | 18X4744 | 1.63 |
| ● WSL20106L000FEA18 | 0.006ohm | ± 110ppm/°C | 18X4747 | --- |
| ● WSL20107L000FEA18 | 0.007ohm | ± 75ppm/°C | 18X4748 | --- |
| ● WSL20108L000FEA18 | 0.008ohm | ± 75ppm/°C | 18X4750 | 0.52 |
| ● WSL2010R0100FEA18 | 0.01ohm | ± 75ppm/°C | 26R4247 | 1.19 |
| ● WSL2010R0150FEA18 | 0.015ohm | ± 75ppm/°C | 18X4721 | 0.59 |
| ● WSL2010R0200FEA18 | 0.02ohm | ± 75ppm/°C | 18X4722 | 0.38 |
| ● WSL2010R0250FEA18 | 0.025ohm | ± 75ppm/°C | 18X4724 | --- |
| ● WSL2010R0300FEA18 | 0.03ohm | ± 75ppm/°C | 18X4725 | 1.21 |
| ● WSL2010R0330FEA18 | 0.033ohm | ± 75ppm/°C | 18X4726 | 0.36 |
| ● WSL2010R0400FEA18 | 0.04ohm | ± 75ppm/°C | 18X4728 | --- |
| ● WSL2010R0500FEA18 | 0.05ohm | ± 75ppm/°C | 18X4730 | 1.09 |
| ● WSL2010R0800FEA18 | 0.08ohm | ± 75ppm/°C | 18X4733 | --- |
| ● WSL2010R1000FEA18 | 0.1ohm | ± 75ppm/°C | 26R4252 | 0.50 |
| ● WSL2010R1500FEA18 | 0.15ohm | ± 75ppm/°C | 18X4737 | --- |
| ● WSL2010R2000FEA18 | 0.2ohm | ± 75ppm/°C | 12K9003 | 1.02 |
| ● WSL2010R5000FEA18 | 0.5ohm | ± 75ppm/°C | 18X4742 | 1.02 |
| 2 W, ± 1% | | | | |
| ● WSL2816R1000FEK | 0.1ohm | ± 75ppm/°C | 72M6594 | --- |
| 2 W, ± 1%, High Power | | | | |
| ● WSL2512R0100FEA18 | 0.01ohm | ± 75ppm/°C | 18X4752 | 1.50 |
| 3 W, ± 1% | | | | |
| ● WSL36374L000FEA | 0.004ohm | ± 50ppm/°C | 78R1419 | --- |
| ● WSL36375L000FEK | 0.005ohm | ± 50ppm/°C | 72M6598 | --- |
| ● WSL36375L000FEA | 0.005ohm | ± 50ppm/°C | 78R1429 | 0.45 |
| ● WSL3637R0100FEK | 0.01ohm | ± 50ppm/°C | 72M6595 | --- |
| ● WSL3637R0100FEA | 0.01ohm | ± 50ppm/°C | 26R2067 | 1.04 |
| 5 W, ± 1% | | | | |
| ● WSL59311L000FEA | 0.001ohm | ± 75ppm/°C | 42M1404 | --- |
| 100 mW, ± 1% | | | | |
| ● WSL0603R0100FEA | 0.01ohm | ± 75ppm/°C | 15R7604 | 1.01 |
| ● WSL0603R0150FEA | 0.015ohm | ± 75ppm/°C | 67P3294 | 0.24 |
| ● WSL0603R0200FEA | 0.02ohm | ± 75ppm/°C | 26R4233 | 0.22 |
| ● WSL0603R0250FEA | 0.02ohm | ± 75ppm/°C | 77R9118 | 1.01 |
| ● WSL0603R0300FEA | 0.03ohm | ± 75ppm/°C | 77R9123 | 0.73 |
| ● WSL0603R0330FEA | 0.033ohm | ± 75ppm/°C | 77R9129 | 0.22 |
| ● WSL0603R0400FEA | 0.04ohm | ± 75ppm/°C | 18X4679 | --- |
| ● WSL0603R0500FEA | 0.05ohm | ± 75ppm/°C | 08P4578 | 0.22 |
| ● WSL0603R0800FEA | 0.08ohm | ± 75ppm/°C | 18X4682 | --- |
| 125 mW, ± 1% | | | | |
| ● WSL0805R0100FEK | 0.01ohm | ± 75ppm/°C | 65K4042 | --- |
| ● WSL0805R0100FEA | 0.01ohm | ± 75ppm/°C | 26R4234 | --- |
| ● WSL0805R0150FEA | 0.015ohm | ± 75ppm/°C | 83K9105 | --- |
| ● WSL0805R0200FEA | 0.02ohm | ± 75ppm/°C | 26R4236 | 0.36 |
| ● WSL0805R0250FEA | 0.025ohm | ± 75ppm/°C | 77R9247 | 0.22 |
| ● WSL0805R0300FEB | 0.03ohm | ± 75ppm/°C | 72M6542 | --- |
| ● WSL0805R0300FEA | 0.03ohm | ± 75ppm/°C | 77R9270 | --- |
| ● WSL0805R0330FEA | 0.033ohm | ± 75ppm/°C | 77R9281 | 0.87 |
| ● WSL0805R0400FEA | 0.04ohm | ± 75ppm/°C | 77R9293 | --- |
| ● WSL0805R0500FEA | 0.05ohm | ± 75ppm/°C | 77R9326 | 0.22 |
| ● WSL0805R0800FEK | 0.08ohm | ± 75ppm/°C | 72M6548 | --- |
| ● WSL0805R0800FEA | 0.08ohm | ± 75ppm/°C | 77R9388 | --- |
| ● WSL0805R1000FEA | 0.1ohm | ± 75ppm/°C | 54K3867 | 0.71 |
| ● WSL0805R1500FEA | 0.15ohm | ± 75ppm/°C | 77R9446 | 0.71 |
| ● WSL0805R2000FEA | 0.2ohm | ± 75ppm/°C | 40K2274 | 0.71 |
| 200 mW, ± 1%, High Power | | | | |
| ● WSL0603R0100FEA18 | 0.01ohm | ± 75ppm/°C | 18X4669 | 0.99 |
| ● WSL0603R0150FEA18 | 0.015ohm | ± 75ppm/°C | 18X4671 | --- |
| ● WSL0603R0200FEA18 | 0.02ohm | ± 75ppm/°C | 18X4672 | --- |
| ● WSL0603R0250FEA18 | 0.025ohm | ± 75ppm/°C | 18X4674 | --- |
| ● WSL0603R0300FEA18 | 0.03ohm | ± 75ppm/°C | 18X4676 | --- |
| ● WSL0603R0330FEA18 | 0.033ohm | ± 75ppm/°C | 18X4678 | --- |
| ● WSL0603R0400FEA18 | 0.04ohm | ± 75ppm/°C | 18X4680 | --- |
| ● WSL0603R0500FEA18 | 0.05ohm | ± 75ppm/°C | 18X4681 | --- |
| ● WSL0603R1000FEA18 | 0.1ohm | ± 75ppm/°C | 18X4683 | --- |
| 250 mW, ± 1% | | | | |
| ● WSL12061L000FEA | 0.001ohm | ± 275ppm/°C | 18X4707 | 1.19 |
| ● WSL12062L000FEB | 0.002ohm | ± 275ppm/°C | 72M6558 | --- |
| ● WSL12062L000FEA | 0.002ohm | ± 275ppm/°C | 59J6974 | 0.34 |

► CONTINUED ►

WSL SERIES POWER METAL STRIP® CURRENT SENSE RESISTORS
(CONT.)

| Mfg. Part No. | Res. | Temp. Coefficient | Stock No. | Price Each 1-9+ |
|---------------------------------|-----------|-------------------|-----------|--------------------|
| 250 mW, ± 1% | | | | |
| ● WSL12063L000FEA | 0.003ohm | ± 150ppm/°C | 77R9855 | 1.15 |
| ● WSL12064L000FEB | 0.004ohm | ± 150ppm/°C | 72M6560 | --- |
| ● WSL12064L000FEA | 0.004ohm | ± 150ppm/°C | 53R2299 | --- |
| ● WSL12065L000FEA | 0.005ohm | ± 75ppm/°C | 26R4245 | 0.96 |
| ● WSL12066L000FEA | 0.006ohm | ± 110ppm/°C | 62M9224 | --- |
| ● WSL12067L000FEK | 0.007ohm | ± 110ppm/°C | 72M6564 | --- |
| ● WSL12067L000FEA | 0.007ohm | ± 75ppm/°C | 18X4716 | 0.32 |
| ● WSL12068L000FEA | 0.008ohm | ± 75ppm/°C | 18X4717 | 1.08 |
| ● WSL12069L000FEA | 0.009ohm | ± 75ppm/°C | 18X4718 | --- |
| ● WSL1206R0100FEA | 0.01ohm | ± 75ppm/°C | 26R4238 | 0.76 |
| ● WSL1206R0100FEB | 0.01ohm | ± 70ppm/°C | 77R9479 | --- |
| ● WSL1206R0150FEA | 0.015ohm | ± 75ppm/°C | 26R4239 | 0.24 |
| ● WSL1206R0200FEA | 0.02ohm | ± 75ppm/°C | 26R4240 | 0.80 |
| ● WSL1206R0210FEK | 0.021ohm | ± 75ppm/°C | 65K4049 | --- |
| ● WSL1206R0230FEK | 0.023ohm | ± 75ppm/°C | 65K4051 | 0.64 |
| ● WSL1206R0250FEK | 0.025ohm | ± 75ppm/°C | 41K9280 | 0.79 |
| ● WSL1206R0250FEA | 0.025ohm | ± 75ppm/°C | 26R4241 | 0.89 |
| ● WSL1206R0300FEK | 0.03ohm | ± 75ppm/°C | 72M6554 | --- |
| ● WSL1206R0300FEA | 0.03ohm | ± 75ppm/°C | 87K2115 | --- |
| ● WSL1206R0330FEA | 0.033ohm | ± 75ppm/°C | 26R4242 | 0.24 |
| ● WSL1206R0400FEA | 0.04ohm | ± 75ppm/°C | 33K3804 | 0.24 |
| ● WSL1206R0500FEK | 0.05ohm | ± 75ppm/°C | 41K282 | --- |
| ● WSL1206R0500FEA | 0.05ohm | ± 75ppm/°C | 15R0131 | --- |
| ● WSL1206R0600FEA | 0.06ohm | ± 75ppm/°C | 18X4704 | --- |
| ● WSL1206R0670FEK | 0.067ohm | ± 75ppm/°C | 65K4058 | 0.64 |
| ● WSL1206R0700FEA | 0.07ohm | ± 75ppm/°C | 50M0469 | 0.20 |
| ● WSL1206R0800FEA | 0.08ohm | ± 75ppm/°C | 35M5495 | 0.20 |
| ● WSL1206R0900FEA | 0.09ohm | ± 75ppm/°C | 77R9735 | --- |
| ● WSL1206R1000FEK | 0.1ohm | ± 75ppm/°C | 41K9286 | --- |
| ● WSL1206R1500FEA | 0.15ohm | ± 75ppm/°C | 57J0429 | --- |
| ● WSL1206R2000FEA | 0.2ohm | ± 75ppm/°C | 26R4244 | 0.97 |
| 250 mW, ± 1%, High Power | | | | |
| ● WSL0805R0100FEA18 | 0.01ohm | ± 75ppm/°C | 26R4235 | 0.96 |
| ● WSL0805R0150FEA18 | 0.015ohm | ± 75ppm/°C | 18X4684 | --- |
| ● WSL0805R0200FEA18 | 0.02ohm | ± 75ppm/°C | 26R4237 | 0.47 |
| ● WSL0805R0250FEA18 | 0.025ohm | ± 75ppm/°C | 18X4687 | 1.20 |
| ● WSL0805R0300FEA18 | 0.03ohm | ± 75ppm/°C | 18X4689 | 0.29 |
| ● WSL0805R0330FEA18 | 0.033ohm | ± 75ppm/°C | 18X4691 | 0.29 |
| ● WSL0805R0400FEA18 | 0.04ohm | ± 75ppm/°C | 18X4693 | --- |
| ● WSL0805R0500FEA18 | 0.05ohm | ± 75ppm/°C | 18X4695 | 0.47 |
| ● WSL0805R1000FEA18 | 0.1ohm | ± 75ppm/°C | 18X4697 | 0.93 |
| ● WSL0805R1500FEA18 | 0.15ohm | ± 75ppm/°C | 18X4699 | --- |
| ● WSL0805R2000FEA18 | 0.2ohm | ± 75ppm/°C | 18X4700 | 0.23 |
| 500 mW, ± 1% | | | | |
| ● WSL20101L000FEA | 0.001ohm | ± 275ppm/°C | 78R0406 | 0.42 |
| ● WSL20102L000FEA | 0.002ohm | ± 275ppm/°C | 18X4745 | 1.41 |
| ● WSL20103L000FEA | 0.003ohm | ± 150ppm/°C | 18X4746 | 1.74 |
| ● WSL20104L000FEA | 0.004ohm | ± 150ppm/°C | 73K0866 | --- |
| ● WSL20105L000FEA | 0.005ohm | ± 110ppm/°C | 79K4008 | 0.40 |
| ● WSL20106L000FEA | 0.006ohm | ± 110ppm/°C | 67K8925 | 0.42 |
| ● WSL20107L000FEK | 0.007ohm | ± 75ppm/°C | 72M6586 | 1.02 |
| ● WSL20107L000FEA | 0.007ohm | ± 75ppm/°C | 20K7581 | 0.40 |
| ● WSL20107L500FEK | 0.0075ohm | ± 75ppm/°C | 65K4119 | --- |
| ● WSL20108L000FEA | 0.008ohm | ± 75ppm/°C | 78R0539 | --- |
| ● WSL20109L000FEA | 0.009ohm | ± 75ppm/°C | 18X4751 | 0.40 |
| ● WSL2010R0100FEK | 0.01ohm | ± 75ppm/°C | 65K4068 | 0.89 |
| ● WSL2010R0100FEA | 0.01ohm | ± 75ppm/°C | 26R4246 | 0.93 |
| ● WSL2010R0150FEK | 0.015ohm | ± 75ppm/°C | 41K2931 | --- |
| ● WSL2010R0150FEA | 0.015ohm | ± 75ppm/°C | 07R7612 | 0.93 |
| ● WSL2010R0200FEA | 0.02ohm | ± 75ppm/°C | 65K4072 | --- |
| ● WSL2010R0200FEK | 0.022ohm | ± 75ppm/°C | 26R4248 | --- |
| ● WSL2010R0220FEK | 0.022ohm | ± 75ppm/°C | 65K4074 | 0.72 |
| ● WSL2010R0250FEA | 0.025ohm | ± 75ppm/°C | 26R4249 | 0.28 |
| ● WSL2010R0300FEK | 0.03ohm | ± 75ppm/°C | 65K4078 | --- |
| ● WSL2010R0300FEA | 0.03ohm | ± 75ppm/°C | 17M6380 | 0.28 |
| ● WSL2010R0330FEA | 0.033ohm | ± 75ppm/°C | 01P1856 | 0.28 |
| ● WSL2010R0350FEK | 0.035ohm | ± 75ppm/°C | 65K4079 | --- |
| ● WSL2010R0400FEA | 0.04ohm | ± 75ppm/°C | 18X4727 | --- |
| ● WSL2010R0410FEK | 0.041ohm | ± 75ppm/°C | 65K4082 | 0.72 |
| ● WSL2010R0470FEK | 0.047ohm | ± 75ppm/°C | 65K4083 | --- |

► CONTINUED ►