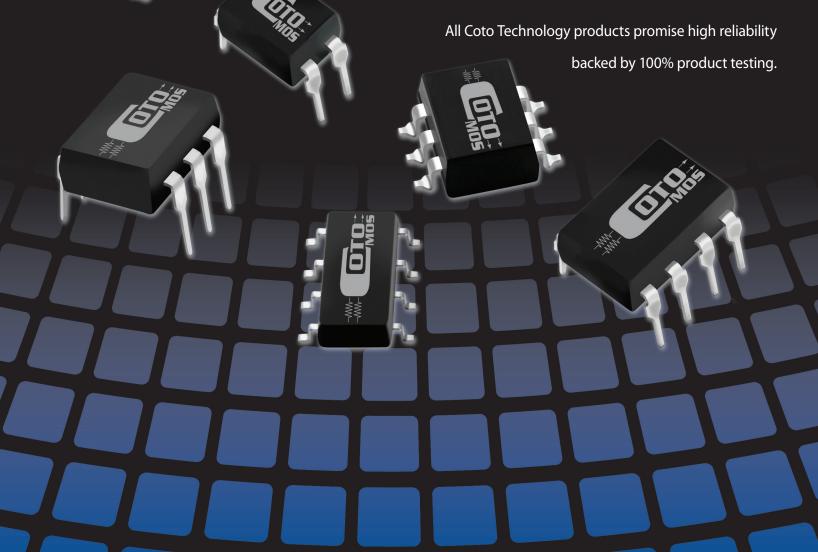


## **MOSFET Relays**

For Small Signal Switching Solutions,

# **Think Coto Technology**

**Coto Technology** is the worldwide market leader of small signal switching products sold into the Automatic Test Equipment, Data Acquisition, Instrumentation, Process Control, Telecommunications, Medical and Security markets. Coto Technology has become recognized for its ability to supply customers with high quality, innovative small signal switching products.



### **ABOUT THE COMPANY**



# FROM COIL WINDINGS AND REED RELAYS TO SOLID STATE RELAYS, COTO HAS ESTABLISHED ITSELF AS A MARKET LEADER IN PRODUCT QUALITY AND DESIGN INNOVATION

Coto Technology's reed relay & reed switch manufacturing facility is located in Mexicali, Mexico. Coto Technology, Inc. originated in Providence, Rhode Island, USA in 1917 as Coto Coil Incorporated - a company specializing in the design and manufacture of coil windings. During the mid-1960's, Coto expanded its product line by introducing the reed relay - the result of integrating reed switches into coil windings. By 1970, Coto emerged as a leading manufacturer of reed relays with the development of the first patented Low-Thermal EMF reed relay.



CotoMOS® Class 10,000 Cleanroom Environment for Manufacturing

Coto went on to produce the first ever surface mounted reed relays in 1983, the world's smallest SMD reed relay in 1994, and the first patented reed relay with >8 GHz performance in 2001.

#### COTO TECHNOLOGY HAS BECOME RECOGNIZED FOR ITS ABILITY TO SUPPLY CUSTOMERS WITH HIGH QUALITY PRODUCTS.

In 2010, Coto relocated its relay design labs and corporate offices to scenic North Kingstown, RI along the shores of Narragansett Bay. The new, high-efficiency facilities allow Coto engineers to focus on developing solutions for tomorrow's small signal switching applications. Whether it's high-speed serial data communication, signal integrity analysis, or the increasing demands for greater bandwidth and higher frequency, Coto is prepared and committed to solving the applications concerns of our customers now and in the years to come.

Today, Coto is a worldwide market leader of small signal switching products sold into the Automatic Test Equipment, Data Acquisition, Instrumentation, Process Control, Telecommunications, Medical and Security markets. Coto specializes in high quality relay, switch and sensor products.



#### NOW FEATURING HIGH-VOLTAGE, HIGH-CURRENT PRODUCTS

CotoMOS® relays are a reliable, economical, readily-available solution offered by Coto Technology to meet your switching needs. Using highly-reliable,

custom-designed MOSFET technology, CotoMOS® provides high-performance for applications requiring low input power and virtually unlimited life.

Ideally suited to the needs of industrial controls, security, metering, instrumentation and automatic test equipment, CotoMOS® is available in Form A, Form B, Form A+B (Form C) form factors to service a wide range of switching requirements.

In addition to our comprehensive line of solid state relays, please note our most recent additions:

#### **HI-CURRENT**

**26/24/28 Series** (40V) switches to 2A/3.5A/4.5A; **36 Series** (60V) switches to 2.5A; **47 Series** (80V) switches to 2A

**Applications:** Industrial Automation, Controls, Instrumentation, Battery Management Systems and Data Acquisition.

#### **HI-VOLTAGE**

**30/32 Series** (400V) switch to 120mA; **74 Series** (400V, Form B and Form 1A+1B) switches to 90mA; **38 Series** (600V) switches to 80 mA

<u>Applications:</u> Industrial Automation, Controls, Instrumentation, Power Supplies, Solar Systems and Battery Management Systems

\*High-Current and High-Voltage CotoMOS® Solid State MOSFET Relays are Re-Configurable for Maximum Performance: Configure your CotoMOS® 6-pin Single Channel device for full AC operation or choose from 3 DC-only configurations.

#### NEW!

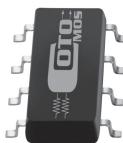
#### **C212S Low CxR Product Series...**

...featuring low CxR and high-current with switching at 400mA.

<u>Applications:</u> ATE, Telecommunications (PC, Electronic Notepad), Security Equipment, Measurement & Test Equipment, Probe Cards, Data Logger, Board Test, Factory Automation Equipment and High-Speed Inspection Machines.

For more information on how CotoMOS® can benefit you in your custom application, please feel free to contact our sales application engineers at APPSupport@cotorelay.com

For the most updated product specifications, please consult our website: www.cotorelay.com





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Coto Part	Contact	Packag	ge	Lead	Load	Load	Peak Load	Power	On	Resistance	Output Capacitance	Off State Leakage	LED Oper	ate Current	Turn C	n Time	Turn (	Off Time	I/O Isolation
Number	Form	Description	Style	Configuration	Voltage	Current	Current	Dissipation	Typical	Maximum	(typ)	Current (max)	Typical	Maximum	Typical	Maximum	Typical	Maximum	Voltage
C230S C330S	1A 2A	SOP-4 Pin SOP-8 Pin	D	SMD	400V	100 mA 85 mA	0.6 A	300 mW 450 mW	21 Ω	30 Ω	55 pF	1μA	0.65 mA	3.0 mA	0.2 ms	0.5 ms	0.05 ms	0.2 ms	1.5 kV
CT237	1A	DIP-4 Pin	A	Thru Hole	60V	400 mA	2.0 A	450 mW	0.8 Ω	1.6 Ω	195 pF	1μΑ	0.9 mA	3.0 mA	0.3 ms	1.0 ms	0.05 ms	1 ms	1.5 kV
CS237 CT137	1A	DIP-6 Pin	В	SMD Thru Hole	60V	400 mA	2.0 A	450 mW	0.8 Ω	1.6 Ω	195 pF	1μΑ	0.9 mA	3.0 mA	0.3 ms	1.0 ms	0.05 ms	1 ms	1.5 kV
CS137 CT245				SMD Thru Hole															
CS245 CT145	1A	DIP-4 Pin	A	SMD Thru Hole	60V	100 mA	0.35 A	200 mW	5 Ω	14 Ω	20 pF	1μΑ	0.9 mA	3.0 mA	0.05 ms	1.0 ms	0.03 ms	1 ms	1.5 kV
CS145	1A	DIP-6 Pin	В	SMD	60V	100m A	0.35 A	200 mW	5 Ω	14 Ω	20 pF	1μΑ	0.9 mA	3.0 mA	0.05 ms	1.0 ms	0.03 ms	1 ms	1.5 kV
CT345 CS345	2A	DIP-8 Pin	С	Thru Hole SMD	60V	100 mA	0.35 A	400 mW	5 Ω	14 Ω	20 pF	1μΑ	0.9 mA	3.0 mA	0.05 ms	1 ms	0.03 ms	1 ms	1.5 kV
CT248 CS248	1A	DIP-4 Pin	A	Thru Hole SMD	100V	350 mA	1.4 A	200 mW	2 Ω	3.5 Ω	37 pF	1μΑ	0.9 mA	3.0 mA	0.2 ms	1 ms	0.05 ms	1 ms	1.5 kV
CT148 CS148	1A	DIP-6 Pin	В	Thru Hole SMD	100V	350 mA	1.4 A	200 mW	2 Ω	3.5 Ω	37 pF	1μΑ	0.9 mA	3.0 mA	0.2 ms	1 ms	0.05 ms	1 ms	1.5 kV
C232S C332S	1A 2A	SOP-4 Pin SOP-8 Pin	D	SMD	400V	100 mA 85 mA	0.35 A	300 mW 450 mW	32 Ω	45 Ω	35 pF	1μΑ	0.8 mA	3.0 mA	0.8 ms	0.5 ms	0.04 ms	0.2 ms	1.5 kV
CT232 CS232	1A	DIP-4 Pin	А	Thru Hole SMD	400V	120 mA	0.35 A	450 mW	32 Ω	45 Ω	35 pF	1μΑ	0.8 mA	3.0 mA	0.8 ms	1 ms	0.04 ms	0.5 ms	3.75 kV
CT132 CS132	1A	DIP-6 Pin	В	Thru Hole SMD	400V	120 mA	0.35 A	450 mW	32 Ω	45 Ω	35 pF	1μΑ	0.8 mA	3.0 mA	0.8 ms	1 ms	0.04 ms	0.5 ms	3.75 kV
CT332 CS332	2A	DIP-8 Pin	С	Thru Hole	400V	100 mA	0.35 A	600 mW	32 Ω	45 Ω	35 pF	1μΑ	0.8 mA	3.0 mA	0.8 ms	1 ms	0.04 ms	0.5 ms	3.75 kV
C570S	1B	SOP-4 Pin	D	SMD SMD	60V	400 mA	0.6 A	300 mW	0.75 Ω	1.6 Ω	165 pF	10μΑ	0.9 mA	3.0 mA	0.35 ms	3 ms	0.05 ms	1 ms	1.5 kV
C670S CT570	2B 1B	SOP-8 Pin DIP-4 Pin	A	Thru Hole	60V	350 mA 440 mA	0.6 A	450 mW 450 mW	0.75 Ω	1.6 Ω	165 pF	10μΑ	0.9 mA	3.0 mA	0.25 ms	2 ms	0.05 ms	1 ms	1.5 kV
CS570 CT470	1B	DIP-6 Pin	В	SMD Thru Hole	60V	440 mA	0.6 A	450 mW	0.75 Ω	1.6 Ω	165 pF	10μΑ	0.9 mA	3.0 mA	0.25 ms	2 ms	0.05 ms	1 ms	1.5 kV
CS470 CT670	2B	DIP-8 Pin	С	SMD Thru Hole	60V	380 mA		600 mW	0.75 Ω	1.6 Ω			0.9 mA						1.5 kV
CS670 C572S	1B	SOP-4 Pin		SMD		100 mA	0.6 A	200 mW			165 pF	10μΑ		3.0 mA	0.25 ms	2 ms	0.05 ms	1 ms	
C672S CT572	2B	SOP-8 Pin	D	SMD Thru Hole	200V	80 mA	0.6 A	400 mW	13 Ω	20 Ω	240 pF	10μΑ	0.9 mA	3.0 mA	0.5 ms	3 ms	0.05 ms	1 ms	1.5 kV
CS572 CT472	1B	DIP-4 Pin	A	SMD Thru Hole	200V	130 mA	0.6 A	450 mW	13 Ω	20 Ω	240 pF	10μΑ	0.9 mA	3.0 mA	0.35 ms	2 ms	0.05 ms	1 ms	1.5 kV
CS472	1B	DIP-6 Pin	В	SMD	200V	130 mA	0.6 A	450 mW	13 Ω	20 Ω	240 pF	10μΑ	0.9 mA	3.0 mA	0.35 ms	2 ms	0.05 ms	1 ms	1.5 kV
CT672 CS672	2B	DIP-8 Pin	С	Thru Hole SMD	200V	100 mA	0.6 A	600 mW	13 Ω	20 Ω	240 pF	10μΑ	0.9 mA	3.0 mA	0.35 ms	2 ms	0.05 ms	1 ms	1.5 kV
C574S C674S	1B 2B	SOP-4 Pin SOP-8 Pin	D	SMD	400V	70 mA 60 mA	0.6 A	300 mW 450 mW	30 Ω	50 Ω	165 pF	10μΑ	0.9 mA	3.0 mA	0.5 ms	3 ms	0.05 ms	1 ms	1.5 kV
CT574 CS574	1B	DIP-4 Pin	А	Thru Hole SMD	400V	90 mA	0.6 A	450 mW	30 Ω	50 Ω	165 pF	10μΑ	0.9 mA	3.0 mA	0.35 ms	2 ms	0.05 ms	1 ms	1.5 kV
CT474 CS474	1B	DIP-6 Pin	В	Thru Hole SMD	400V	90 mA	0.6 A	450 mW	30 Ω	50 Ω	165 pF	10μΑ	0.9 mA	3.0 mA	0.35 ms	2 ms	0.05 ms	1 ms	1.5 kV
CT674 CS674	2B	DIP-8 Pin	С	Thru Hole SMD	400V	80 mA	0.6 A	600 mW	30 Ω	50 Ω	165 pF	10μΑ	0.9 mA	3.0 mA	0.35 ms	2 ms	0.05 ms	1 ms	1.5 kV
C770S	1A + 1B	SOP-8 Pin	D	SMD	60V	350 mA	1.0 A	400 mW	0.75 Ω	1.6 Ω	45 pF (NO) 165 pF (NC)	1μΑ (NO) 10μΑ (NC)	0.9 mA	3.0 mA	0.2 ms (NO) 0.35 ms (NC)	2 ms	0.05 ms	1 ms	1.5 kV
CT770 CS770	1A + 1B	DIP-8 Pin	С	Thru Hole SMD	60V	380 mA	1.0 A	600 mW	0.75 Ω	1.6 Ω	45 pF (NO) 165 pF (NC)	1μA (NO) 10μA (NC)	0.9 mA	3.0 mA	0.2 ms (NO) 0.25 ms (NC)	2 ms	0.05 ms	1 ms	1.5 kV
C772S	1A + 1B	SOP-8 Pin	D	SMD	200V	160 mA (NO)	0.4 A	400 mW	6.0 Ω (NO) 13.0 (NC)	8.0/20.0 Ω (NO/NC)	130 pF (NO)	1μA (NO)	0.9 mA	3.0 mA	0.3 ms (NO)	2 ms	0.05 ms	1 ms	1.5 kV
CT772	1A + 1B	DIP-8 Pin	С	Thru Hole	200V	80 mA (NC) 180 mA (NO)	0.6 A	600 mW	6.0 Ω (NO)	8.0/20.0 Ω	240 pF (NC) 130 pF (NO)	10μA (NC) 1μA (NO)	0.9 mA	3.0 mA	0.6 ms (NC) 0.25 ms (NO)	2 ms	0.05 ms	1 ms	1.5 kV
CS772 C774S	1A + 1B	SOP-8 Pin	D	SMD SMD	400V	100 mA(NC) 80 mA (NO)	0.4 A	400 mW	13.0 (NC) 24 Ω (NO)	(NO/NC) 30 Ω	240 pF (NC) 115 pF	10μA (NC) 1μA (NO)	0.9 mA	3.0 mA	0.04 ms (NC) 0.25 ms (NO)	2 ms	0.05 ms	1 ms	1.5 kV
CT774	1A + 1B	DIP-8 Pin	С	Thru Hole	400V	60 mA (NC) 100 mA (NO)	0.6 A	600 mW	30 Ω (NC) 24 Ω (NO)	50 Ω 30 Ω	165 pF 115 pF	10μA (NC) 1μA (NO)	0.9 mA	3.0 mA	0.5 ms (NC) 0.25 ms (NO)	2 ms	0.05 ms	1 ms	1.5 kV
CS774 C226S	1A + 1B	SOP-4 Pin		SMD		80 mA (NC) 2000 mA		350 mW	35 Ω (NC)	50 Ω	165 pF	10μA (NC)			0.5 ms (NC)				
C326S CT226	2A	SOP-8 Pin	D	SMD Thru Hole	40V	1600 mA	3.5 A	450 mW	0.085 Ω	0.5 Ω	240 PF	1μΑ	0.5 mA	3.0 mA	0.5 ms	3.0 ms	0.04 ms	0.5 ms	1.5 kV
CS226 CT126	1A	DIP-4 Pin	A	SMD Thru Hole	40V	2000 mA	3.5 A	400 mW	0.085 Ω	0.5 Ω	240 PF	1μΑ	0.5 mA	3.0 mA	0.5 ms	3.0 ms	0.05 ms	1 ms	1.5 kV
CS126	1A	DIP-6 Pin	В	SMD	40V	2000 mA	3.5 A	450 mW	0.085 Ω	0.5 Ω	240 pF	1μΑ	0.5 mA	3.0 mA	0.5 ms	3.0 ms	0.05 ms	1 ms	1.5 kV
CT326 CS326	2A	DIP-8Pin	С	Thru Hole SMD	40V	2000 mA	3.5 A	600 mW	0.085 Ω	0.5 Ω	240 pF	1μA	0.5 mA	3.0 mA	0.5 ms	3.0 ms	0.05 ms	1 ms	1.5 kV
CT136 CS136	1A	DIP-6 Pin	В	Thru Hole SMD	60V	2500 mA	6 A	500 mW	0.09 Ω	0.14 Ω	470 pF	1μΑ	1.5 mA	3.0 mA	0.6 ms	5 ms	0.04 ms	2.0 ms	1.5 kV

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Coto Part	Contact	Packag	je	Lead	Load	Load	Peak Load	Power	On	Resistance	Output	Off State	LED Opera	ate Current	Turn C	On Time	Turn (	Off Time	I/O
Number	Form	Description	Style	Configuration	Voltage	Current	Current	Dissipation	Typical	Maximum	Capacitance (typ)	Leakage Current (max)	Typical	Maximum	Typical	Maximum	Typical	Maximum	Isolation Voltage
C247S	1A	SOP-4 Pin		CMD	201/	1250 mA	2.0.4	350 mW	71				71		71				
C347S	2A	SOP-8 Pin	D	SMD	80V	1000 mA	3.0 A	450 mW	0.15 Ω	0.5 Ω	190 pF	1μΑ	1.2 mA	3.0 mA	0.6 ms	5 ms	0.06 ms	0.5 ms	1.5 kV
CT147 CS147	1A	DIP-6 Pin	В	Thru Hole SMD	80V	2000 mA	5.0 A	500 mW	0.1 Ω	0.16 Ω	500 pF	1μΑ	1.2 mA	3.0 mA	0.7 ms	5 ms	0.04 ms	1 ms	1.5 kV
CT124 CS124	1A 1A	DIP-6 Pin	В	Thru Hole SMD	40V	3500 mA	8 A	500 mW	0.045 Ω	0.07 Ω	810 pF	1μΑ	1.5 mA	3.0 mA	1.8 ms	5 ms	0.03 ms	2 ms	1.5 kV
CT128 CS128	1A 1A	DIP-6 Pin	В	Thru Hole SMD	40V	4500 mA	9.5 A	500 mW	0.033 Ω	0.05 Ω	690 pF	1μA	1.2 mA	3.0 mA	1.2 ms	5 ms	0.05 ms	2 ms	1.5 kV
CT136-HT		DIP-6 Pin	В	Thru Hole	40) 4	500 mA	2.0 A	80 mW	0.12 Ω	0.3 Ω	470 pF	10μΑ	3.0 mA	8.0 mA	2.2 ms	5 ms	0.4 ms	0.5 ms	3.75 kV
CS136-HT C236S-HT <b>N</b>	EW! 1A	DIP-6 Pin SOP-4 Pin	B D	SMD SMD	60V	500 mA 350 mA	2.0 A 4.0 A	80 mW 350 mW	0.12 Ω 0.13 Ω	0.3 Ω 0.5 Ω	470 pF 115 pF	10μA 1.0μA	3.0 mA 0.5 mA	8.0 mA 2.0 mA	2.2 ms 1.0 ms	5 ms 1.3 ms	0.4 ms 0.6 ms	0.5 ms 0.8 ms	3.75 kV 5.0 kV
C238S	1A	SOP-4 Pin			600V	70 mA	0.2 A	300 mW		60 Ω									
C338S	2A	SOP-8 Pin	D	SMD	6007	60 mA	0.2 A	450 mW	35 Ω	0012	95 pF	1μΑ	0.9 mA	3.0 mA	0.2 ms	0.5 ms	0.05 ms	0.2 ms	1.5 kV
CT238 CS238	1A	DIP-4 Pin	А	Thru Hole SMD	600V	80 mA	0.2 A	450 mW	35 Ω	60 Ω	95 pF	1μΑ	0.9 mA	3.0 mA	0.1 ms	1.0 ms	0.05 ms	1 ms	1.5 kV
CT138 CS138	1A	DIP-6 Pin	В	Thru Hole SMD	600V	80 mA	0.2 A	450 mW	35 Ω	60 Ω	95 pF	1μΑ	0.9 mA	3.0 mA	0.1 ms	1.0 ms	0.05 ms	1 ms	1.5 kV
CT338 CS338	2A	DIP-8 Pin	С	Thru Hole SMD	600V	70 mA	0.2 A	600 mW	35 Ω	60 Ω	95 pF	1μΑ	0.9 mA	3.0 mA	0.1 ms	1.0 ms	0.05 ms	1 ms	1.5 kV
C235S C335S	1A 2A	SOP-4 Pin SOP-8 Pin	D	SMD	80V	80 mA 70 mA	0.3 A	200 mW 400 mW	20 Ω	30 Ω	6 pF	0.01μΑ	0.9 mA	3.0 mA	0.02 ms	0.5 ms	0.05 ms	0.2 ms	1.5 kV
CT235 CS235	1A	DIP-4 Pin	А	Thru Hole SMD	80V	100 mA	0.3 A	350 mW	20 Ω	30 Ω	6 pF	0.01μΑ	0.9 mA	3.0 mA	0.02 ms	1.0 ms	0.05 ms	1 ms	1.5 kV
CS235 CT135 CS135	1A	DIP-6 Pin	В	Thru Hole SMD	80V	100 mA	0.3 A	350 mW	20 Ω	30 Ω	6 pF	0.01μΑ	0.9 mA	3.0 mA	0.02 ms	0.1 ms	0.05 ms	1 ms	1.5 kV
CT335	2A	DIP-8 Pin	С	Thru Hole	80V	80 mA	0.3 A	450 mW	20 Ω	30 Ω	6 pF	0.01μΑ	0.9 mA	3.0 mA	0.02 ms	1.0 ms	0.05 ms	1 ms	1.5 kV
CS335 C246S	1A	SOP-4 Pin	D	SMD SMD	80V	30 mA	0.1 A	300 mW	30 Ω	60 Ω	6 pF	0.01μΑ	0.7 mA	1.5 mA	0.03 ms	0.2 ms	0.1 ms	0.2 ms	1.5 kV
C346S C3231S	2A 2A	SOP-8 Pin SOP-8 Pin	D	SMD	250V	140 mA	0.42 A	400 mW 450 mW	11 Ω	15 Ω	33 pF	0.01μΑ	0.4 mA	3.0 mA	0.15 ms	0.5 ms	0.05 ms	0.2 ms	1.5 kV
CTA17 CSA17	1A	DIP-8 Pin	С	Thru Hole SMD	350V	120 mA	0.35 A	450 mW	30 Ω	50 Ω	115 pF	10μΑ	0.7 mA	3.0 mA	0.3 ms	2.5 ms	0.04 ms	1 ms	1.5 kV
	<b>EW!</b> 1A	SOP-4Pin	D	SMD	60V	400 mA	1.0 A	500 mW	0.83 Ω	2.5 Ω	50 pF	1.0μΑ	0.5 mA	3.0 mA	0.3 ms	1.5 ms	0.1 ms	1.5 ms	1.5 kV
C245S C345S	1A 2A	SOP-4 Pin SOP-8 Pin	D	SMD	60V	100 mA	0.35 A	200 mW 400 mW	5 Ω	14 Ω	20 pF	1μΑ	0.9 mA	3.0 mA	0.05 ms	3.0 ms	0.03 ms	1 ms	1.5 kV
C248S C348S	1A 2A	SOP-4 Pin SOP-8 Pin	D	SMD	100V	310 mA 280 mA	1.4 A	200 mW 400 mW	2 Ω	3.5 Ω	37 pF	1μΑ	0.9 mA	3.0 mA	0.25 ms	1.5 ms	0.05 ms	0.2 ms	1.5 kV
CT348 CS348	2A	DIP-8 Pin	С	Thru Hole SMD	100V	310 mA	1.4 A	400 mW	2Ω	3.5 Ω	37 pF	1μΑ	0.9 mA	3.0 mA	0.2 ms	1 ms	0.05 ms	1 ms	1.5 kV
CT230				Thru Hole	400V	120 mA	0.6 A	450 mW	21 Ω	30 Ω	55 pF		0.65 mA	3.0 mA	0.2 ms			1 ms	
CS230	1A	DIP-4 Pin	A	SMD	400V	120 mA	0.6 A	450 mW	21 Ω 22 Ω	30 Ω	55 pF	1μΑ	0.65 mA	3.0 mA	0.2 ms	1.0 ms	0.05 ms	1 ms	1.5 kV
CS230-HC NS CT130 CS130	1A	DIP-6 Pin	В	SMD Thru Hole SMD	350V 400V	130 mA 120 mA	0.24 A 0.6 A	300 mW 450 mW	21 Ω	28 Ω 30 Ω	41 pF 55 pF	1μΑ	0.50 mA 0.65 mA	5.0 mA 3.0 mA	0.3 ms 0.2 ms	1.0 ms	0.05 ms	0.2 ms 1 ms	1.5 kV
CT330	2A	DIP-8 Pin	С	Thru Hole	400 V	100 mA	0.6 A	600 mW	21 Ω	30 Ω	55 pF	1μΑ	0.65 mA	3.0 mA	0.2 ms	1.0 ms	0.05 ms	1 ms	1.5 kV
CS330 C231S	1A	SOP-4 Pin	D	SMD SMD	350 V	120 mA	0.6 A	300 mW	17 Ω	24 Ω	115 pF	1μΑ	0.9 mA	3.0 mA	0.25 ms	0.5 ms	0.05 ms	0.2 ms	1.5 kV
C331S CT231	2A 1A	SOP-8 Pin DIP-4 Pin	A	Thru Hole	350 V	100 mA 130 mA	0.6 A	450 mW 450 mW	17 Ω	24 Ω	115 pF	1μΑ	0.9 mA	3.0 mA	0.2 ms	1.0 ms	0.05 ms	1 ms	1.5 kV
CS231 CT131	1A	DIP-6 Pin	В	SMD Thru Hole	350 V	130 mA	0.6 A	450 mW	17 Ω	24 Ω	115 pF	1μΑ	0.9 mA	3.0 mA	0.2 ms	1.0 ms	0.05 ms	1 ms	1.5 kV
CS131 CT331	2A	DIP-8 Pin	С	SMD Thru Hole	350V	110 mA	0.6 A	600 mW	17 Ω	24 Ω	115 pF	1μΑ	0.9 mA	3.0 mA	0.2 ms	1.0 ms	0.05 ms	1 ms	1.5 kV
CS331 C234S	1A	SOP-4 Pin	D	SMD SMD	200V	180 mA	0.8 A	300 mW	6Ω	8 Ω	130 pF	1μΑ	0.9 mA	3.0 mA	0.25 ms	0.5 ms	0.05 ms	0.2 ms	1.5 kV
C334S CT234	2A	SOP-8 Pin		Thru Hole		160 mA		450 mW											
CS234 CT134	1A	DIP-4 Pin	A	SMD Thru Hole	200V	200 mA	0.8 A	450 mW	6Ω	8 Ω	130 pF	1μΑ	0.9 mA	3.0 mA	0.2 ms	1.0 ms	0.05 ms	1 ms	1.5 kV
CS134 CT334	1A	DIP-6 Pin	В	SMD Thru Hole	200V	200 mA	0.8 A	450 mW	6Ω	8 Ω	130 pF	1μA	0.9 mA	3.0 mA	0.2 ms	1 ms	0.05 ms	1 ms	1.5 kV
CS334 C237S	2A 1A	Dip 8-Pin SOP-4 Pin	С	SMD	200V	180 mA	0.8 A	600 mW	6 Ω	8Ω	130 pF	1μΑ	0.9 mA	3.0 mA	0.2 ms	1.0 ms	0.05 ms	1 ms	1.5 kV
C337S	2A	SOP-4 Pin SOP-8 Pin	D	SMD	60V	350 mA 320 mA	2.0 A	200 mW 400 mW	0.8 Ω	1.6 Ω	195 pF	1µA	0.9 mA	3.0 mA	0.35 ms	1.5 ms	0.05 ms	0.2 ms	1.5 kV
CT337 CS337	2A	DIP-8 Pin	С	Thru Hole SMD	60V	360 mA	2.0 A	600 mW	0.8 Ω	1.6 Ω	195 pF	1μΑ	0.9 mA	3.0 mA	0.3 ms	1.0 ms	0.05 ms	1 ms	1.5 kV
12.	EW! 1A	SOP-4 Pin	D	SMD	100V	150 mA	0.375 A	800 mW	6 Ω	8 Ω	50 pF	1μΑ	0.7 mA	2.0 mA	0.3 ms	2.0 ms	0.1 ms	1 ms	1.5 kV
C217S N	EW! 1A	SOP-4 Pin	D	SMD	60V	130 mA	0.325 A	500 mW	7 Ω	16 Ω	50 pF	1μA	0.11 mA	1.0 mA	0.3 ms	1.0 ms	0.1 ms	1 ms	1.5 kV

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#### **PACKAGE & RECOMMENDED PC BOARD PATTERN**

PACKAGE STYLE	MECHANICA	L DRAWINGS	PC BOARD PATTERNS					
	DIP 4	SMD	DIP	SMD				
А	42±0.1 12±0.2 10±0.1	4.7 = 0.1 1.2 = 0.2 1.2 = 0.2 2.54 = 0.1 2.50 = 0.10	4-00.80 2.54 76/2	1.50				
В	DIP 6	SMD  8.80=0.04  2.50=0.00  0.5	5.08 6-00.80 2.54 2.54	SMD    1.90				
С	DIP 8  9.78±0.2  12±0.2  12±0.2  10±0.	SMD  978±02  12±02  12±02  12±03  12±03  10  10  10  10  10  10  10  10  10	DIP  7.62  8-Ø0.80  2.54	SMD    1.90				
D	SOP 4  4.3 ± 0.3  0.4 ± 0.1  1.5 ± 0.3  0.15 ± 0.3  0.	9.38±0.3 0.4±0.1 7.62 (2.54 x 3) 0.15 ***  0.15 ***  0.15 ***  0.15 ***  0.15 ***  0.15 ***  0.15 ***  0.15 ***  0.15 ***  0.15 ***  0.15 ***  0.15 ***  0.15 ***  0.15 ***  0.15 ***  0.15 **  0.15 **  0.15 **	SOP 4	SOP 8    1,27				