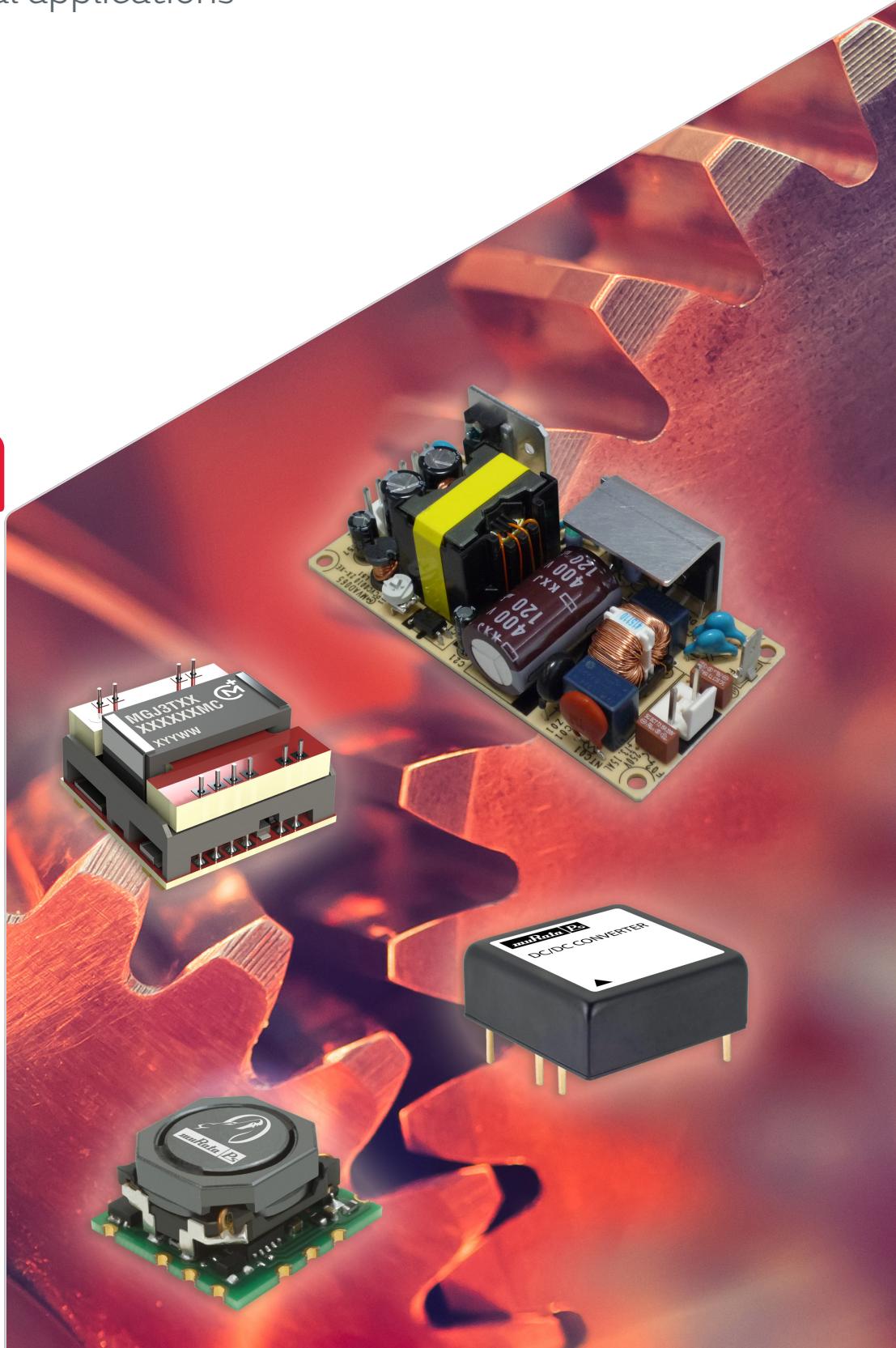


Latest products for

# Power solutions

In industrial applications



# High isolation

**muRata Ps**  
Murata Power Solutions

RUW15 series



## Encapsulated ultra wide input 15-watt isolated DC-DC converters

- Encapsulated 2"x2"
- 16-160V input voltage
- 5V, 12V, 24V outputs
- 5000V Isolation

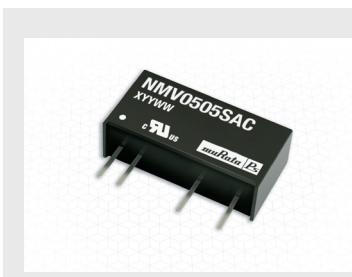
Package Dimensions		
L	50.8mm	2.0"
W	50.8mm	2.0"
H	20mm	0.79"



**muRata Ps**  
Murata Power Solutions

NMV series

MEV1 series



## Encapsulated isolated SIP and DIP 1-watt DC-DC converters

- 5V, 9V, 12V, 15V outputs
- 5V, 12V, 15V input voltage
- 3000V Isolation
- Single and bipolar outputs

SIP/DIP

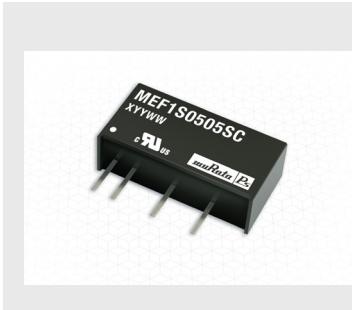
### Package Dimensions

L	19.6/19.7mm	0.77/0.78"
W	6.15/10mm	0.24/0.39"
H	10.2/7mm	0.40/0.28"



**muRata Ps**  
Murata Power Solutions

MEF1 series



## Regulated encapsulated isolated SIP and DIP 1-watt DC-DC converters

- 3.3V, 5V, 12V & 24V input voltage
- 3.3V and 5V outputs
- Up to 3.5kV isolation
- MEF1-SPC - SIP: 1000V Isolation
- MEF1-SPC3 - SIP: 3500V Isolation

### Package Dimensions

L	19.7mm	0.77"
W	6.2mm	0.24"
H	10.2mm	0.4"



**muRata Ps**  
Murata Power Solutions

NXE1 series

NXJ1 series



## Isolated single output SM 1-watt DC-DC converters

- NXE1: LGA, 3.3V, 5V input voltage; 3.3V, 5V outputs, 3kV isolation
- NXJ1: LGA, 3.3V, 5V, 12V input voltage; 3.3V, 5V, 12V, 15V outputs, 4.2kV isolation

### Package Dimensions

L	12.7mm	0.5"
W	10.4mm	0.41"
H	4.36mm	0.17"



For full product specifications and datasheets, click on any series name.

# Universal input

**muRata Ps**  
Murata Power Solutions

BPM15 series  
SPM15 series



## Encapsulated isolated wide input 15-watt DC-DC converters

- Encapsulated 1"x1"
- 9-36V and 18-75V input voltage
- 1600V isolation
- BPM: ±5V, ±12V, ±15V outputs
- SPM: 3.3V, 5V, 12V, 15V outputs

Package Dimensions		
L	25.4mm	1"
W	25.4mm	1"
H	10.2mm	0.4"



**muRata Ps**  
Murata Power Solutions

UHE series



## Encapsulated isolated wide input 25 to 30-watt DC-DC converters

- Encapsulated 1.6"x2"
- 9-36V and 18-75V input voltage
- 3.3V, 5V, 12V, 15V outputs
- 1500V Isolation

Package Dimensions		
L	41mm	1.6"
W	51mm	2"
H	10.2mm	0.4"



**muRata Ps**  
Murata Power Solutions

NCS3 series  
NCS6 series  
NCS12 series



## Encapsulated isolated 4:1 input 3, 6, or 12-watt DC-DC converters

- 9-36V and 18-75V input voltage
- 3.3V, 5V, 12V & 15V outputs
- 1500V Isolation
- NCS6 & 12: single and bipolar outputs

NCS3/NCS6, 12  
Package Dimensions

L	21.95/32mm	0.864/1.26"
W	9.45/20mm	0.372/0.79"
H	11.25/10mm	0.44/0.39"



**muRata Ps**  
Murata Power Solutions

UQQ series  
UWQ series



## Isolated quarter-brick wide input 100 to 240-watt DC-DC converters

- Up to 2250V Isolation
- UQQ: 9-36V and 18-75V input voltage; 3.3V, 5V, 12V, 15V, 24V outputs
- UWQ: 18-60V and 18-75V input voltage 12V output

Package Dimensions		
L	58.4mm	2.3"
W	36.8mm	1.45"
H	11.7mm	0.46"

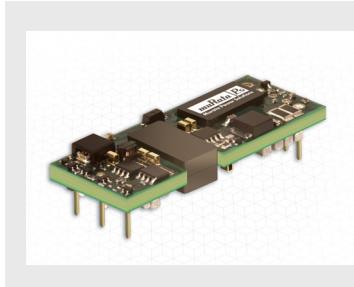


For full product specifications and datasheets, click on any **series** name.

# Universal input

**muRata Ps**  
Murata Power Solutions

UWE series



## Isolated eighth-brick 72 to 120-watt DC-DC converters

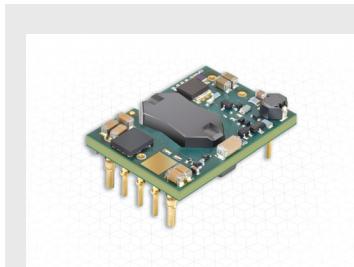
- Open-frame eighth-brick
- 9-36V and 18-75V input voltage
- 3.3V, 5V, 12V, 15V, 24V outputs
- Up to 2250V Isolation

Package Dimensions		
L	58.4mm	2.3"
W	22.9mm	0.9"
H	9.7mm	0.38"



**muRata Ps**  
Murata Power Solutions

UWS series



## Isolated sixteenth-brick 50-watt DC-DC converters

- Open-frame sixteenth-brick
- 18-75V input voltage
- 3.3V, 5V, 12V outputs
- 2250V Isolation

Package Dimensions		
L	33.3mm	1.31"
W	23.1mm	0.91"
H	9.1mm	0.36"



**muRata**  
INNOVATOR IN ELECTRONICS

MVAD series



## Open-frame 2"x4" 40 to 160-watt AC-DC power supplies

- 2" x 4" standard footprint
- Low profile 1U package
- 90 to 264VAC input
- 5V, 12V, 18V, 24V, 48V outputs

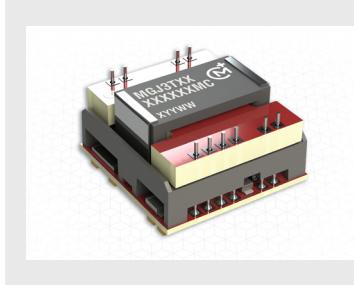
Package Dimensions		
L	101.6mm	4"
W	50.8mm	2"
H	33mm	1.3"



## High isolation gate drive DC-DC converter

**muRata Ps**  
Murata Power Solutions

MGJ2 series  
MGJ3 series  
MGJ6 series



## 5.2kVDC isolated SMD gate drive 2, 3, or 6-watt DC-DC converters

- MGJ2 (SIP): 5V, 12V, 15V, 24V input voltage; 15/-5V, 15/-8.7V, 15/15V, 20/-5V outputs
- MGJ3: 4.5-9V, 9-18V, 18-36V input voltage; 15/-10V, 20/-5V, 15/-5V outputs
- MGJ6: 4.5-9V, 9-18V, 18-36V input voltage; 15/-10V, 20/-5V, 15/-5V outputs

MGJ3/MGJ6

Package Dimensions		
L	23.1/31.2mm	0.91/1.23"
W	22.6/22.6mm	0.89/0.89"
H	14.2/14.2mm	0.56/0.56"

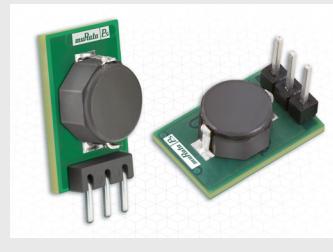


For full product specifications and datasheets, click on any **series** name.

## Non-isolated industrial

**muRata Ps**  
Murata Power Solutions

OKI-78SR series.



### Non-isolated fixed output 5 to 12-watt DC-DC converters

- Vertical & horizontal mount SIP
- 7-37V input voltage
- 3.3V, 5V, 12V outputs
- Small footprint

Package Dimensions		
L	16.5mm	0.65"
W	10.4mm	0.41"
H	7.6mm	0.3"



**muRata Ps**  
Murata Power Solutions

OKL series.



### iLGA 15 to 100-watt non-isolated DC-DC converters

- Inspectable land grid array SMD type
- Wide input voltage range: 2.4 to 14V by variant
- Wide output voltage: 0.6V to 3.6V
- Optional sequence/tracking operation

Package Dimensions		
L	12.2mm	0.48"
W	6.2mm	0.24"
H	12.2mm	0.48"



**muRata**  
INNOVATOR IN ELECTRONICS

MYPMA series.



### Non-isolated 120W DC-DC converter for powering electric vehicle signaling

- 36-75V input voltage
- 12V output voltage
- IP56 compliant case
- RoHS Compliant

Package Dimensions		
L	122.4mm	4.81"
W	86.5mm	3.41"
H	35.4mm	1.39"



**muRata**  
INNOVATOR IN ELECTRONICS

OKY2-T/60 series.



### Programmable output 60-amp SMT PoL DC-DC converters

- 0.6-2.0 output voltage
- 4.5-14Vdc input voltage
- 60A up to 120A by parallel operation
- Synchronized function optional

Package Dimensions		
L	33mm	1.3"
W	22.9mm	0.9"
H	9.6mm	0.38"



For full product specifications and datasheets, click on any **series** name.

# Global locations

For details please visit [www.murata.com](http://www.murata.com)



## Note

### 1 Export Control

For customers outside Japan:

No Murata products should be used or sold, through any channels, for use in the design, development, production, utilization, maintenance or operation of, or otherwise contribution to (1) any weapons (Weapons of Mass Destruction [nuclear, chemical or biological weapons or missiles] or conventional weapons) or (2) goods or systems specially designed or intended for military end-use or utilization by military end-users.

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2 Please contact our sales representatives or product engineers before using the products in this catalog for the applications listed below, which require especially high reliability for the prevention of defects which might directly damage a third party's life, body or property, or when one of our products is intended for use in applications other than those specified in this catalog.

- ① Aircraft equipment
- ② Undersea equipment
- ③ Medical equipment
- ④ Traffic signal equipment
- ⑤ Data-processing equipment
- ⑥ Aerospace equipment
- ⑦ Power plant equipment
- ⑧ Transportation equipment (vehicles, trains, ships, etc.)
- ⑨ Disaster prevention / crime prevention equipment
- ⑩ Application of similar complexity and/or reliability requirements to the applications listed above

3 Product specifications in this brochure are as of March 2016. They are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering. If there are any questions, please contact our sales representatives or product engineers.

4 Please read rating and  $\Delta$  CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.

5 This catalog has only typical specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

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7 No ozone depleting substances (ODS) under the Montreal Protocol are used in our manufacturing process.

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