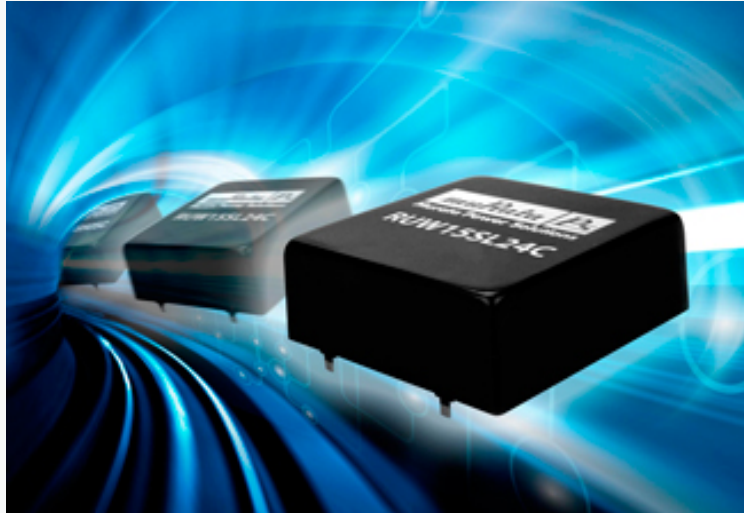




## 15W DC/DC converter with 10:1 input range

Developed for Railway Applications



### RUW Series

#### Applications include:

- Transportation
- Industrial
- Telecommunication

► **The RUW15 series of 15W** ultra-wide, single output isolated DC/DC converters is designed for transportation and industrial applications where the input voltage may vary widely and a hold-up capability is required.

Accommodating an extremely wide input range from 16 to 160 VDC, the RUW series therefore has a high immunity to input surges and is able to "ride-through" drop-outs of indefinite duration across the input range by addition of a relatively small external capacitor. The series comprises 2 models providing nominal outputs of 12 or 24 VDC, a 5V version is under development.

#### Product Features

- Externally settable hold up time via additional cap
- DC OK/Power Fail signal
- Short circuit protection
- Over temperature protection
- Over voltage protection

Model Number	Input Voltage	Output Voltage	Output Power
RUW15SL12C	16-160V	12V	15W
RUW15SL12HC	16-160V	12V	15W
RUW15SL24C	16-160V	24V	15W
RUW15SL24HC	16-160V	24V	15W

## **RUW15 : 15 W DC-DC CONVERTER WITH 16 - 160 VDC INPUT RANGE FOR TRANSPORTATION APPLICATIONS**

Date: Nov 02, 2012

### **Ideal for applications that require a long hold-up time**

The Murata Power Solutions RUW15 series of 15 W ultra-wide single output isolated DC DC converters has been developed for transportation and industrial applications where the input voltage may vary widely and a hold-up capability is required. Accommodating an extremely wide input range from 16 to 160 VDC, the RUW series has a high immunity to input surges and is able to "ride-through" drop-outs of indefinite duration across the input range by addition of a relatively small external capacitor. For example the output can be maintained for up to 120 ms at full load from any input when using a 900 uF capacitor.

Models are available with the nominal outputs of 5, 12 or 24 VDC. Input to output isolation complies with the internationally recognized standard UL 60950 for reinforced isolation of up to 4 kVAC test voltage. A standard DC-OK / Power Fail signal gives an advance warning of typically 2 ms of the impending loss of output.

Measuring 50.8 x 50.8 x 20.0 mm, the RUW15 protection features include overload, over temperature, output short circuit and output over voltage.

### ***About Murata Power Solutions***

*Murata Power Solutions ([www.murata-ps.com](http://www.murata-ps.com)) is headquartered in Mansfield, Massachusetts, with over 1,300 employees worldwide. Murata Power Solutions designs, manufactures and distributes [DC-DC Converter](#), [AC-DC Power Supply](#), [Magnetic](#) and [Digital Panel Meter](#) product lines, and offers these products in custom, standard and modified-standard variations. Murata Power Solutions products are typically used within electronic applications serving major global market sectors including telecommunications, computing and industrial controls.*

*Murata Power Solutions is a division of [Murata Manufacturing Co., Ltd. \(www.murata.com\)](http://www.murata.com), a worldwide leader in the design, manufacture and sale of electronic components and power supply modules. Murata's devices are found in a wide range of applications including consumer and automotive electronics, and wireless devices. The company has employees and manufacturing facilities throughout the world.*



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