

## **DC/DC converter developed for transportation, industrial applications**



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 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. Samples are now available from stock, with lead-times of 10 weeks for production quantities and prices ranging from \$35.00.

### **Murata Power Solutions**

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**Source URL (retrieved on 01/26/2015 - 8:06pm):**

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Published on Electronic Component News (<http://www.ecnmag.com>)

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