

## 5.2 kV Isolation Miniature DC-DC Converters

MDT Staff



Murata Power Solutions today announced the MEJ2 series of fully encapsulated compact through-hole 2 Watt DC-DC converters. Providing a pin-compatible upgrade path from Murata's NMJ, MEV1 and NMV series, the MEJ2 2W devices are available with either single or dual outputs covering the nominal voltages of 3.3, 5, 9, 12 or 15 VDC. Input voltage variants accommodate 3.3, 5, 12 or 15 VDC.

In a compact SIP format, the MEJ2 series has about twice the power density of its predecessor, the NMJ series, while offering safety agency recognition according to UL60950 for basic/supplementary insulation for voltages up to 200 Vrms. Recognition to the medical standard IEC 60601 (3rd Ed) is pending and provides for one measure of operator protection (MOOP) to 200 Vrms. With guaranteed internal physical spacings, and a factory test voltage of 5.2kV, the MEJ2 series can be used with confidence in high noise environments where conventional high isolation parts with 3kV test ratings but only functional isolation and no guaranteed spacings may not be adequate.

The series maintains high levels of efficiency down to typical and light loads saving power, reducing temperature rise and increasing product reliability.

With pricing in the \$5.50 USD range in OEM quantities, current lead-times are from stock to 8 weeks.

For more information, visit [www.murata-ps.com](http://www.murata-ps.com) [1].

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[1] <http://www.murata-ps.com>