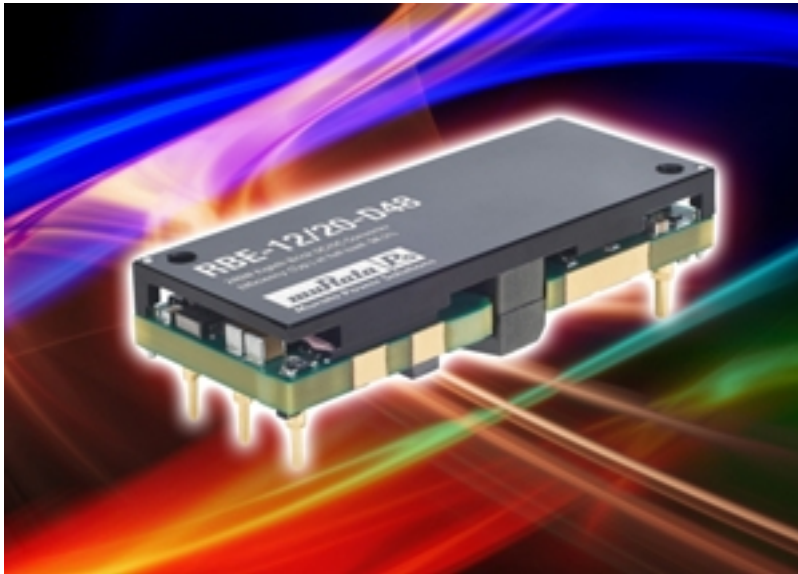


Fully Isolated DC-DC Converters



Murata Power Solutions RBE series of fully isolated DC-DC converters are designed for a broad range of applications including 12 VDC intermediate bus architectures or distributed power-based applications used in servers, wireless base-stations, data storage, telecom switches and networking equipment. The RBE-12/20-D48 model will deliver a regulated 12V output @ 240 Watts from a nominal 48 VDC input. With an efficiency of 94.5%, most applications with forced air cooling will not require an external heat sink. For applications where there is no forced air cooling or the operating temperature range is high, an optional baseplate is available that will allow for attaching a heat sink. The RBE DC-DC converter has been designed to meet the requirements of the Distributed power Open Standards Alliance (DOSA) eighth-brick configuration measuring 58.42 x 22.86 x 10.16 mm (2.3 x 0.9 x 0.4 inches).

The standard module is a through hole mounted package, configured as an open frame converter with 4.6mm pins and negative logic. Optional configurations include various pin lengths to eliminate secondary process for trimming pins, positive logic control, conformal coating and the baseplate for conduction cooling applications.

Protection features include thermal shutdown with auto restart (hiccup), over current/short circuit protection with auto restart, and input under voltage lockout. The converter is fully isolated to 2250 VDC with a basic insulation system meeting the requirements for PoE applications and is compliant with the internationally recognized safety standards UL/EN/IEC 60950.

Pricing in OEM quantities ranges from \$30.00, with lead-times of stock to 12 weeks.

Murata Power Solutions Inc.

508-339-3000; www.murata-ps.com [1]

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