

Mil COTS Converter

Smallest 50 Watt Military COTS converters available



Boxborough, MA - SynQor, Inc., Advancing the Power Curve®, announced the release of their new Mil-COTS Sixteenth-brick converter series. These converters are composed of next-generation, board-mountable, isolated, fixed switching frequency dc-dc converters that use synchronous rectification to achieve extremely high power conversion efficiency. Each module is supplied completely encased to provide protection from the harsh environments seen in many Military and Aerospace applications.

The Mil-COTS converters has an operating input voltage range of 16-40V and has an impressive 50 watts of power in the smallest package (26.3 x 36.5 x 12.7 mm) and the best price in the industry. With space and cost becoming more and more of an issue in modern electronic systems, their size and price sets the Mil-COTS converters apart from all competitors in this market.

These little Sixteenth brick converters have some of the Highest efficiencies at full rated load current. The converters deliver full power performance with minimal derating. The units perform to this specification with no heatsink requirements.

As with all Synqor converters, Fixed frequency switching provides predictable Electromagnetic Interference (EMI). This fact eases the task of the design engineer to rid the system from any unwanted EMI before system qualification. To help with this a full range of EMI filters are also available from Synqor. These filters also boasts with high efficiencies.

Standard control feature available on the Mil-COTS range of converters is On/Off control referenced to input return, remote sense for the output voltage and output voltage trim range of +10%, -10%

All units are available with S-Grade or M-Grade screening and has been tested to Temperature cycling per MIL-STD-883, Method 1010, Condition B, 10 cycles.

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