Miniature, Board Mount 8W, AC/DC Power Supplies

MicroPower Direct has released the MPM-08MB series - a family of single and dual output 8W AC/DC power supplies. These high performance modules include a wide universal AC input, full safety approvals, robust filtering and a miniature PCB mount package.

Eight standard models operate from a universal input of 90 to 305 VAC, providing tightly regulated outputs of 3.3, 5, 9, 12, 15, 24, +5/+3.3, or +12/+5 VDC. Standard features include filtering to EN55022 Class B, input/output isolation of 3,000 VAC, and tight line/load regulation. All models are protected for over load, over voltage, and short circuit faults. The MTBF (per MIL HDBK 217F) of the MPM-08MB series is greater than 350 khours. The MPM-08MB has a Class II input (IEC61140). This means it can be used without an earth ground connection. All models are approved to EN 60950. The series is certified to CE and RoHS compliant.

The MPM-08MB series is packaged in a miniature 1.44 x 1.06 x 1.04 inch PCB mount package. Each model is rated for operation over the wide operating temperature range of -40°C to +70°C (ambient).

The MPM-08MB series is an ideal solution for a variety of applications requiring high performance features and a small PCB footprint. Applications would include industrial automation systems, machine/process control equipment, and telecommunications/data processing systems. With its Class II input, the MPM-08MB series is a good choice for remote or portable equipment where a reliable ground is often not available.

MicroPower Direct products are designed to provide long, reliable field life. Considerable attention is given to the proper selection, derating, and layout of all circuit components. In addition, extensive reliability screening is also performed on all products as a routine part of our production process.

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