

MGT3812MB-O28 Protechnic 12V 0.20A Server Cooling Fan Datasheet



Brand: Protechnic

SKU: 805194564680

Category: Axial & Centrifugal Fans

Price: \$11.99

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mgt3812mb-o28-protechnic-12v-0-20a-server-cooling-fan>

Product Description

The Protechnic MGT3812MB-O28 is a compact, high-efficiency DC axial fan designed to meet the rigorous thermal management demands of industrial and server-grade electronics. Featuring a robust 38mm frame and a durable ball bearing system, this unit ensures consistent airflow and longevity in continuous operation environments. Its optimized impeller design balances static pressure and airflow, making it an ideal choice for tightly packed component modules where space is at a premium.

Product Type: DC Axial Fan

Model Number: MGT3812MB-O28

Brand: Protechnic (Magic Technology)

Rated Voltage: 12 VDC

Operating Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.20 A

Input Power: 2.40 W

Rated Speed: 9000 RPM

Max. Air Flow: 10.50 CFM (17.84 m³/h / 0.30 m³/min)

Max. Static Pressure: 7.50 mmH₂O (73.55 Pa / 0.29 inH₂O)

Bearing Type: Dual Ball Bearing

Noise Level: 38.0 dB(A)

Dimensions: 38 x 38 x 28 mm

Frame Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Weight: 45 g

Termination: 3-Wire Leads

Operating Temperature: -10 to +70 °C

Life Expectancy: 70,000 Hours at 40°C

The MGT3812MB-O28 is specifically engineered for high-density electronic environments, serving as a critical cooling component in rack-mounted servers, variable frequency drives (VFDs), and compact power supply units. Its high static pressure capabilities allow it to effectively push air through dense heatsinks and restricted enclosures found in industrial inverters and network switch modules. By maintaining optimal operating temperatures, this fan ensures the reliability and stability of sensitive semiconductor components in continuous-duty applications.

Supplemental Images

