

MGA4012MB-A15 Protechnic 12VDC 40x40x15mm Axial Fan Datasheet



Brand: Protechnic

SKU: 805558007294

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/mga4012mb-a15-protechnic-12vdc-40x40x15mm-axial-fan>

Product Description

The Protechnic MGA4012MB-A15 is a precision-engineered DC axial fan designed for high-reliability thermal management in compact electronic enclosures. Utilizing advanced motor technology and a durable ball bearing architecture, this unit ensures consistent rotational stability and reduced friction, significantly extending the operational lifespan under continuous load. The aerodynamic impeller geometry is optimized to minimize thermal impedance while maintaining structural rigidity, making it an ideal solution for applications requiring a balance between airflow efficiency and acoustic performance. The robust PBT housing meets UL94V-0 flammability standards, ensuring safety in industrial environments.

Model Number: MGA4012MB-A15

Brand: Protechnic

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.10 A

Power Input: 1.20 W

Rated Speed: 6500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 7.50 CFM (12.74 m³/h / 0.21 m³/min)

Max. Static Pressure: 4.80 mmH₂O (47.07 Pa / 0.19 inH₂O)

Dimensions: 40x40x15 mm

Weight: 25 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 28.0 dB(A)

Frame Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: 2-Wire Lead (+ Red, - Black)

Ingress Protection: IP40

Safety Certifications: CE, UL, TUV

The MGA4012MB-A15 is specifically engineered for critical cooling tasks within variable frequency drives and industrial inverters, where consistent thermal dissipation is paramount to prevent component failure. Beyond power electronics, the MGA4012MB-A15 is frequently integrated into compact server racks, network switches, and medical instrumentation requiring a compact 40mm footprint. Its reliable ball bearing system makes it suitable for 24/7 operation in telecommunications equipment and automated control systems.

Supplemental Images

