

MGA8012-W15 Protechnic 12VDC 80x80x15mm Axial Fan Datasheet



Brand: Protechnic

SKU: 805813029893

Category: Axial & Centrifugal Fans

Price: \$10.99

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mga8012-w15-protechnic-12vdc-80x80x15mm-axial-fan>

Product Description

The Protechnic MGA8012-W15 is a precision-engineered DC axial fan designed for critical thermal management in space-constrained electronic enclosures. Utilizing advanced brushless DC motor technology, this unit delivers consistent volumetric airflow while maintaining a low thermal impedance profile. The 80mm frame is constructed from reinforced thermoplastic, ensuring structural rigidity and resistance to vibrational stress in industrial environments. Engineered with an optimized aerodynamic blade geometry, the MGA8012-W15 balances static pressure requirements with efficient heat dissipation, making it a robust solution for maintaining component stability in continuous-duty chassis and cabinet applications.

Model Number: MGA8012-W15

Brand: Protechnic (Magic)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.18 A

Power: 2.16 W

Rated Speed: 3200 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 35.31 CFM (60.0 m³/h / 1.00 m³/min)

Max. Static Pressure: 3.56 mmH₂O (34.9 Pa / 0.14 inH₂O)

Dimensions: 80 x 80 x 15 mm

Weight: 62 g

Life Expectancy: 50,000 Hours @ 40°C

Noise Level: 33.0 dB(A)

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Termination: 2-Wire Lead

Operating Temperature: -10°C ~ +70°C

Storage Temperature: -40°C ~ +70°C

Mounting Orientation: Any

Ingress Protection: IP40

The MGA8012-W15 is specifically engineered for high-density electronic environments such as server racks, network cabinets, and industrial automation control panels. Its slim 15mm profile allows for seamless integration into compact chassis where standard 25mm fans cannot fit, providing essential cooling for power supplies and drive arrays. The MGA8012-W15 ensures continuous airflow to critical components, effectively mitigating thermal throttling in telecommunications equipment, CNC machinery, and medical instrumentation devices.

Supplemental Images

