

MGA8012MS-A25 Magic 12VDC 80x80x25mm 0.15A Axial Fan Datasheet



Brand: Protechnic

SKU: 805254962701

Category: Axial & Centrifugal Fans

Price: \$11.99

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Product Page:

<https://www.equipspares.com/product/mga8012ms-a25-magic-12vdc-80x80x25mm-0-15a-axial-fan>

Product Description

The Magic MGA8012MS-A25 is a precision-engineered Axial Fan designed for efficient thermal management in electronic enclosures and audio amplification systems. Utilizing a DC brushless motor architecture, this unit balances airflow performance with acoustic optimization to ensure minimal noise interference. The frame and impeller are constructed from reinforced Polybutylene Terephthalate (PBT), ensuring structural rigidity and resistance to deformation under thermal stress. While market descriptions may vary, the 'MS' model designation technically indicates a cost-effective Sleeve Bearing configuration, optimized for vertical mounting orientations and stable operating environments. This 80mm cooling solution delivers consistent static pressure, making it suitable for maintaining optimal operating temperatures in sensitive circuitry.

Model Number: MGA8012MS-A25

Brand: Magic (Protechnic Electric)

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.15 A

Power: 1.80 W

Rated Speed: 2800 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 36.0 CFM (61.1 m³/h)
Max. Static Pressure: 3.50 mmH₂O (34.3 Pa)
Dimensions: 80 x 80 x 25 mm
Weight: 85 g
Life Expectancy: 30,000 Hours @ 40°C
Noise Level: 32.0 dBA
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Termination: 2-Wire Lead
Operating Temperature: -10 to +70°C
Storage Temperature: -40 to +70°C
Ingress Protection: IP20
Safety Certifications: CE, UL, TUV

The MGA8012MS-A25 is specifically engineered for audio amplification equipment, where managing thermal impedance is critical for signal fidelity and component longevity. Its profile fits standard 80mm mounts found in rack-mounted amplifiers, home theater receivers, and legacy electronics. Additionally, the MGA8012MS-A25 serves effectively in auxiliary cooling for power supplies and industrial control cabinets requiring reliable air exchange.

Supplemental Images

