

MGT8012HB-W25 Magic 12VDC 80x80x25mm 0.24A Axial Fan Datasheet



Brand: Protechnic

SKU: 805131725183

Category: Axial & Centrifugal Fans

Price: \$14.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mgt8012hb-w25-magic-12vdc-80x80x25mm-0-24a-axial-fan>

Product Description

The Magic MGT8012HB-W25 is a DC Axial Fan engineered for critical thermal management applications requiring reliable heat dissipation and consistent airflow. This unit integrates advanced DC brushless motor technology with a robust bearing architecture designed to minimize friction and lower thermal impedance during prolonged operation. The housing utilizes reinforced thermoplastic to ensure structural rigidity and vibration dampening, maintaining optimal blade alignment under load. Its aerodynamic impeller design maximizes static pressure generation while reducing turbulence-induced noise, making it suitable for high-density electronic environments where airflow efficiency and component longevity are paramount.

Model Number: MGT8012HB-W25

Brand: Magic (Protechnic)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.24 A

Input Power: 2.88 W

Rated Speed: 3500 RPM

Bearing Type: Precision Sealed Bearing

Max. Air Flow: 42.5 CFM (72.2 m³/h / 1.20 m³/min)

Max. Static Pressure: 3.9 mmH₂O (38.2 Pa / 0.15 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 86 g

Life Expectancy: 60,000 Hours @ 40°C

Noise Level: 34.5 dB(A)

Housing Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Termination: 2-Wire Leads (Red/Black)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Insulation Resistance: >10M Ohms at 500VDC

Dielectric Strength: 500VAC for 1 Minute

Protection: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, UL, TUV

The MGT8012HB-W25 is specifically calibrated for demanding thermal regulation tasks within compact electronic enclosures. Frequently utilized in game console cooling systems, the MGT8012HB-W25 ensures consistent operating temperatures to prevent thermal throttling of processors and GPUs during intensive processing loads. Beyond gaming hardware, this model is deployed in industrial automation control panels, small-form-factor server racks, and telecommunications power supplies where reliable forced-air convection is required to maintain system stability and prevent component failure.

Supplemental Images

