

MGT6012UB-W25 Magic 12VDC 60x60x25mm Dual Ball Axial Fan Datasheet



Brand: Protechnic

SKU: 805561583068

Category: Axial & Centrifugal Fans

Price: \$14.99

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mgt6012ub-w25-magic-12vdc-60x60x25mm-dual-ball-axial-fan>

Product Description

The Magic MGT6012UB-W25 is a precision-engineered DC axial fan designed for high-density thermal management applications. Utilizing advanced DC brushless motor technology, this unit delivers consistent torque and rotational stability. The architecture incorporates a robust dual ball bearing system, significantly reducing frictional coefficients and enhancing long-term reliability under continuous operation. Constructed with a reinforced thermoplastic frame, the MGT6012UB-W25 ensures structural rigidity and optimal vibration damping. Its aerodynamic impeller design maximizes static pressure capabilities while maintaining efficient airflow throughput, making it an ideal solution for systems requiring low thermal impedance and sustained cooling performance.

Model Number: MGT6012UB-W25

Brand: Magic (Magic Protechnic)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.38 A

Power Input: 4.56 W

Rated Speed: 6500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 38.5 CFM (65.4 m³/h / 1.09 m³/min)

Max. Static Pressure: 10.67 mmH₂O (104.6 Pa / 0.42 inH₂O)

Dimensions: 60x60x25mm

Weight: 65 g

Noise Level: 43.5 dBA

Frame Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Life Expectancy: 70,000 Hours at 40°C

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: Lead Wires

Ingress Protection: IP20

Motor Protection: Impedance Protected, Reverse Polarity Protection

Insulation Class: Class A

This high-performance cooling solution is specifically engineered for demanding industrial and IT environments. The MGT6012UB-W25 is frequently deployed in compact server chassis, network switches, and power supply units where space is limited but heat dissipation requirements are critical. Additionally, the MGT6012UB-W25 serves as a reliable component in industrial automation control panels, medical instrumentation, and telecommunications equipment, ensuring component longevity by maintaining optimal operating temperatures within enclosed electronic assemblies.

Supplemental Images

