

MGT4012UB-W28 Protechnic 12VDC 40x40x28mm Axial Fan Datasheet



Brand: Protechnic

SKU: 802337214808

Category: Axial & Centrifugal Fans

Price: \$14.99

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mgt4012ub-w28-protechnic-12vdc-40x40x28mm-axial-fan>

Product Description

The Protechnic MGT4012UB-W28 is a high-performance DC axial fan engineered for mission-critical thermal management in dense electronic enclosures. Featuring advanced brushless DC motor technology and a robust dual ball bearing architecture, this unit ensures exceptional rotational stability and extended service life under continuous high-speed operation. The aerodynamic impeller design is optimized to maximize static pressure generation, effectively overcoming high thermal impedance in server racks and power amplifiers while maintaining structural rigidity and minimizing vibration at peak RPM.

Model Number: MGT4012UB-W28

Brand: Protechnic (Magic)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.55 A

Power: 6.60 W

Rated Speed: 15000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 26.5 CFM (45.0 m³/h / 0.75 m³/min)

Max. Static Pressure: 1.45 inH₂O (361 Pa / 36.8 mmH₂O)

Dimensions: 40 x 40 x 28 mm

Weight: 45 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 56.0 dBA

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: 4-Wire Lead

Speed Control: PWM / Tachometer Output

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Certifications: UL, cUL, TUV, CE

Designed specifically for high-impedance environments, the MGT4012UB-W28 is extensively used in 1U server racks and high-wattage power supply units where concentrated airflow is required. The compact 40x28mm footprint allows the MGT4012UB-W28 to fit seamlessly into tight chassis configurations, providing critical cooling for power amplifiers, RAID controllers, and network switches that demand consistent thermal regulation to prevent hardware throttling.

Supplemental Images

