

MGT3012VB-O10 Magic 12VDC 30x30x10mm Twin Ball Axial Fan Datasheet



Brand: Protechnic

SKU: 805665490682

Category: Axial & Centrifugal Fans

Price: **\$11.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mgt3012vb-o10-magic-12vdc-30x30x10mm-twin-ball-axial-fan>

Product Description

The Magic MGT3012VB-O10 is a high-precision DC Axial Fan designed to mitigate thermal impedance in compact electronic assemblies. Utilizing advanced DC brushless motor technology and a robust Dual Ball Bearing architecture, this unit ensures exceptional rotational stability and extended operational service life under continuous load. The aerodynamic impeller profile is engineered to optimize static pressure while maintaining structural rigidity, effectively managing heat dissipation in high-density environments. This component represents a critical thermal solution for ensuring the reliability of industrial and optical systems.

Model Number: MGT3012VB-O10

Brand: Magic (Protechnic)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.15 A

Power Consumption: 1.80 W

Rated Speed: 9500 RPM $\pm$ 10%

Bearing Type: Dual Ball Bearing

Max. Air Flow: 4.50 CFM (7.64 m³/h / 0.12 m³/min)

Max. Static Pressure: 5.08 mmH₂O (49.8 Pa / 0.20 inH₂O)

Dimensions: 30 x 30 x 10 mm

Weight: 8.5 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 28.5 dBA

Insulation Class: Class A

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 2 Lead Wires (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Certifications: CE, UL, TUV

The MGT3012VB-O10 is specifically calibrated for integration into precision optical equipment, such as laser projection systems and medical diagnostic instruments where space is at a premium. Additionally, the MGT3012VB-O10 serves as an effective cooling mechanism for 1U server racks, micro-drives, and compact power supply units, ensuring critical components remain within safe thermal operating limits.

Supplemental Images

