

MGT3012ZB-O10 Magic 12VDC 30x30x10mm Industrial Axial Fan Datasheet



Brand: Protechnic

SKU: [805149303498](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mgt3012zb-o10-magic-12vdc-30x30x10mm-industrial-axial-fan>

Product Description

The Magic MGT3012ZB-O10 is a precision-engineered DC Axial Fan designed for compact thermal management applications requiring high reliability. This unit utilizes advanced double ball bearing architecture, ensuring extended operational longevity and reduced frictional resistance compared to sleeve bearing alternatives. The aerodynamic impeller design is optimized to deliver superior static pressure within a compact form factor, minimizing thermal impedance in dense electronic assemblies. Constructed with high-grade thermoplastics, the frame ensures structural rigidity and vibration dampening, making it an ideal solution for continuous industrial operations where consistent airflow and durability are paramount.

Model Number: MGT3012ZB-O10

Brand: Magic (Protechnic)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.10 A

Power Input: 1.20 W

Rated Speed: 9500 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 3.85 CFM (6.54 m³/h / 0.11 m³/min)

Max. Static Pressure: 5.20 mmH₂O (50.99 Pa / 0.20 inH₂O)

Dimensions: 30 x 30 x 10 mm

Weight: 9.0 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 28.0 dBA

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 2-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Certifications: UL, CE, TUV

Mounting Orientation: Any

This compact cooling solution is specifically engineered for space-constrained environments where efficient heat dissipation is critical. The MGT3012ZB-O10 serves as a primary cooling component in automotive LED lighting systems, preventing thermal degradation of high-output diodes. Additionally, the MGT3012ZB-O10 is widely utilized in ultrasonic humidifiers, small-form-factor power supplies, and precision medical instrumentation, ensuring stable operating temperatures for sensitive electronics.

Supplemental Images

