

MGT4024YB-O10 Magic 24VDC 40x40x10mm Axial Fan Datasheet



Brand: Protechnic

SKU: [806047188514](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

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Product Page: <https://www.equipspares.com/product/mgt4024yb-o10-magic-24vdc-40x40x10mm-axial-fan>

Product Description

The Magic MGT4024YB-O10 is a specialized DC Axial Fan engineered for critical thermal management in precision electronics and industrial instrumentation. Utilizing advanced DC brushless motor technology and a robust dual ball bearing architecture, this unit ensures minimal frictional resistance and extended operational longevity under continuous load. The aerodynamic impeller design optimizes static pressure generation while maintaining a balanced acoustic profile, effectively reducing thermal impedance in space-constrained enclosures. Its high structural rigidity and UL94V-0 rated thermoplastic construction make it suitable for demanding operating environments requiring consistent airflow reliability.

Model Number: MGT4024YB-O10

Brand: Magic (Magic Precision)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.10 A

Power Consumption: 2.40 W

Rated Speed: 7500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 8.50 CFM (14.44 m³/h / 0.24 m³/min)

Max. Static Pressure: 5.84 mmH₂O (57.27 Pa / 0.23 inH₂O)

Dimensions: 40 x 40 x 10 mm

Weight: 25 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 32.0 dB(A)

Frame Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Wire Configuration: 3-Wire (+, -, Tachometer/FG)

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Dielectric Strength: 500VAC for 1 Minute

Insulation Resistance: 10M Ohm at 500VDC

Motor Protection: Polarity Protection, Impedance Protected

Safety Certifications: UL, cUL, TUV, CE

This cooling solution is specifically calibrated for precision instrumentation, prominently utilized in laser equipment cooling systems where stable airflow is paramount to maintain optical stability. The MGT4024YB-O10 excels in compact medical devices, telecommunication hardware, and industrial power supplies, providing reliable heat dissipation for sensitive components. Furthermore, the MGT4024YB-O10 is frequently integrated into 1U server rack enclosures and optical drive bays, ensuring optimal thermal regulation for high-density electronic circuits.

Supplemental Images

