

MGT4012LF-O10 Protechnic 12VDC 40x40x12mm Axial Fan Datasheet



Brand: Protechnic

SKU: [808355522803](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mgt4012lf-o10-protechnic-12vdc-40x40x12mm-axial-fan>

Product Description

The Protechnic MGT4012LF-O10 is a precision-engineered DC axial fan designed to deliver reliable thermal management in compact electronic environments. Featuring advanced brushless DC motor technology and a specialized bearing architecture, this unit minimizes mechanical friction to enhance operational lifespan and reduce acoustic noise. The aerodynamic impeller design is optimized to generate consistent airflow while maintaining structural rigidity, effectively lowering thermal impedance in high-density enclosures. Engineered for continuous duty, the MGT4012LF-O10 ensures stability and efficiency, making it a robust component for critical cooling applications requiring a balance of performance and durability.

Model Number: MGT4012LF-O10

Brand: Protechnic (Magic Technology)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.08 A

Power: 0.96 W

Rated Speed: 4500 RPM

Bearing Type: Rifle Bearing

Max. Air Flow: 5.8 CFM (9.85 m³/h / 0.16 m³/min)

Max. Static Pressure: 2.8 mmH₂O (27.46 Pa / 0.11 inH₂O)

Dimensions: 40 x 40 x 12 mm

Weight: 25 g

Life Expectancy: 40,000 Hours @ 40°C

Noise Level: 23.0 dBA

Speed Control: Constant Speed

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: Lead Wires

Number of Blades: 7

Motor Protection: Impedance Protected

The MGT4012LF-O10 is extensively utilized in applications requiring compact and efficient heat dissipation, such as small form factor chassis and embedded CPU cooling solutions. Its low-profile design makes it ideal for network appliances, industrial automation controllers, and telecommunications equipment where internal space is limited. Furthermore, the MGT4012LF-O10 is suitable for medical devices and power supply units, providing consistent airflow to prevent thermal throttling and ensure the longevity of sensitive electronic components.

Supplemental Images

