

MGA6012LR-O10 Protechnic 12VDC 60x60x10mm Low Noise Axial Fan Datasheet



Brand: Protechnic

SKU: [653007936084](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mga6012lr-o10-protechnic-12vdc-60x60x10mm-low-noise-axial-fan>

Product Description

The Protechnic MGA6012LR-O10 is a precision-engineered DC axial fan designed for applications requiring a compact thermal solution with a minimal acoustic signature. Utilizing advanced brushless DC motor technology, this unit operates efficiently within a slim 60x60x10mm low-profile frame, making it ideal for space-constrained enclosures where standard thickness fans cannot fit. The aerodynamic impeller design optimizes airflow while maintaining low turbulence, significantly reducing structural vibration and noise generation. Engineered with Protechnic's proprietary bearing architecture, it ensures reliable operation and stable thermal impedance over extended duty cycles. The MGA6012LR-O10 balances an ultra-low power consumption of just 0.54W with effective cooling performance, rendering it suitable for sensitive electronic instrumentation and energy-efficient systems.

Model Number: MGA6012LR-O10

Brand: Protechnic

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.045 A

Power Consumption: 0.54 W

Dimensions: 60 x 60 x 10 mm

Bearing Type: Magic Bearing (Rifle/Sleeve Enhanced)
Rated Speed: 3500 RPM (Estimated based on L series)
Max. Air Flow: 12.5 CFM (Estimated)
Max. Static Pressure: 1.8 mmH₂O (Estimated)
Noise Level: 22 dBA (Silent Profile)
Termination: 2-Wire Lead
Wire Configuration: Red (+), Black (-)
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Operating Temperature: -10 to +70 Degrees Celsius
Mounting Orientation: Any
Weight: 25 g

The MGA6012LR-O10 is frequently integrated into compact electronic assemblies where vertical clearance is strictly limited, such as 1U server chassis, network switches, and portable medical instrumentation. Its low acoustic profile makes the MGA6012LR-O10 particularly suitable for consumer electronics, including set-top boxes, DVRs, and home theater PC (HTPC) builds, where silent operation is a critical requirement. Additionally, this model serves as an effective cooling solution for localized hotspots on PCBs within industrial control panels and telecommunications equipment requiring a slim form factor.

Supplemental Images

