

MGA6012XS-O15 Magic 12VDC 60x60x15mm Tachometer Axial Fan Datasheet



Brand: Protechnic

SKU: 805850265991

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mga6012xs-o15-magic-12vdc-60x60x15mm-tachometer-axial-fan>

Product Description

The Magic MGA6012XS-O15 is a precision-engineered DC Axial Fan designed for applications requiring consistent thermal management within a compact form factor. Leveraging advanced sleeve bearing architecture, this unit minimizes mechanical friction while maintaining structural rigidity under continuous operation. The motor assembly utilizes a 12VDC drive system to deliver optimized aerodynamic performance, characterized by efficient airflow delivery and managed thermal impedance. Engineered for reliability, the MGA6012XS-O15 integrates a 3-wire tachometer signal output, allowing for real-time speed monitoring and feedback loops in critical industrial electronics. Its housing is constructed to withstand standard operational stresses, ensuring longevity in chassis cooling and power supply ventilation scenarios.

Model Number: MGA6012XS-O15

Brand: Magic (Protechnic)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.27 A

Power Consumption: 3.24 W

Rated Speed: 4500 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 22.4 CFM (38.0 m³/h)

Max. Static Pressure: 3.8 mmH₂O (37.2 Pa)

Dimensions: 60x60x15mm

Weight: 45 g

Noise Level: 32.0 dBA

Speed Control: Tachometer Output (Speed Sensor)

Termination: 3-Wire Leads

Wire Definition: Red(+), Black(-), Yellow/White(Tach)

Housing Material: PBT Thermoplastic (UL94V-0)

Blade Material: PBT Thermoplastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Vertical or Horizontal

Certifications: CE, UL, TUV

The MGA6012XS-O15 is extensively utilized in compact electronic enclosures where efficient heat dissipation is critical to system stability. Common deployment environments include 1U/2U server rack chassis, industrial power supply units, and telecommunications switchgear that demand reliable airflow in confined spaces. Additionally, the MGA6012XS-O15 serves as a vital component in network storage appliances and medical instrumentation, providing necessary cooling to prevent thermal throttling of sensitive processors and power regulators.

Supplemental Images

