

# MGA2512HS-O10 MAGIC 12VDC 25x25x10mm Sleeve Bearing Axial Fan Datasheet



**Brand:** Protechnic

**SKU:** [676584121284](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$7.99**

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Product Page:

<https://www.equipspares.com/product/mga2512hs-o10-magic-12vdc-25x25x10mm-sleeve-bearing-axial-fan>

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## Product Description

The MAGIC MGA2512HS-O10 is a compact DC axial fan engineered for precision thermal management in space-constrained electronic assemblies. Utilizing advanced brushless DC motor technology, this unit optimizes electromagnetic efficiency while minimizing cogging torque. The rotor is supported by a sintered sleeve bearing architecture, designed to maintain structural rigidity and reduce mechanical friction during operation. Its aerodynamic impeller profile enhances airflow delivery, effectively lowering thermal impedance within high-density enclosures. Constructed with durable thermoplastic housing, the MGA2512HS-O10 ensures reliable heat dissipation performance, making it a critical component for maintaining the operational stability of sensitive industrial and consumer electronics.

Model Number: MGA2512HS-O10

Brand: MAGIC (Magic Precision Inc.)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.07 A

Power Consumption: 0.84 W

Rated Speed: 8500 RPM  
Bearing Type: Sleeve Bearing  
Max. Air Flow: 2.20 CFM (3.74 m<sup>3</sup>/h / 0.06 m<sup>3</sup>/min)  
Max. Static Pressure: 3.81 mmH<sub>2</sub>O (37.36 Pa / 0.15 inH<sub>2</sub>O)  
Noise Level: 24.0 dB(A)  
Dimensions: 25x25x10mm  
Weight: 8.0 g  
Housing Material: PBT Thermoplastic (UL94V-0)  
Impeller Material: PBT Thermoplastic (UL94V-0)  
Termination: 2-Wire Leads  
Operating Temperature: -10 to +70 °C  
Storage Temperature: -40 to +70 °C  
Life Expectancy: 30,000 Hours at 40°C  
Mounting Orientation: Any

This compact cooling solution is extensively utilized in miniature electronic applications where space is at a premium. The MGA2512HS-O10 is frequently integrated into chipset cooling modules, portable hard drive enclosures, and small form-factor power supplies to prevent thermal throttling. Additionally, the MGA2512HS-O10 serves as an active cooling component in surveillance DVR systems and embedded IoT devices, ensuring continuous operation by effectively evacuating waste heat from critical semiconductor components.

## Supplemental Images

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