

MGA3005HB-O10 MAGIC 5VDC 30x30x10mm Dual Ball Axial Fan Datasheet



Brand: Protechnic

SKU: 808521549880

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mga3005hb-o10-magic-5vdc-30x30x10mm-dual-ball-axial-fan>

Product Description

The MAGIC MGA3005HB-O10 is a compact DC axial fan engineered for precision thermal management in space-constrained electronic environments. Utilizing advanced DC brushless motor technology combined with a robust dual ball bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load. The 30mm frame design incorporates optimized blade geometry to reduce turbulence while maintaining consistent airflow, effectively lowering thermal impedance in sensitive electronics. Its structural rigidity and low-power consumption profile make it an ideal solution for devices requiring reliable heat dissipation with minimal acoustic resonance.

Model Number: MGA3005HB-O10

Brand: MAGIC (Protechnic Electric)

Product Type: DC Axial Fan

Rated Voltage: 5 VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.09 A

Power Consumption: 0.45 W

Rated Speed: 9000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 3.50 CFM (5.94 m³/h / 0.09 m³/min)

Max. Static Pressure: 3.81 mmH₂O (37.36 Pa / 0.15 inH₂O)

Dimensions: 30 x 30 x 10 mm

Weight: 8.5 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 26.0 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Termination: 2-Wire Leads

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Ingress Protection: IP40

Motor Protection: Impedance Protected

The MGA3005HB-O10 is specifically calibrated for compact consumer and industrial electronics where space is at a premium. Common deployment scenarios include active cooling in aromatherapy diffusers and ultrasonic humidifiers, where the MGA3005HB-O10 ensures internal components remain within safe thermal operating limits. Additionally, this model serves effectively in handheld instrumentation, miniature projectors, and IoT sensor nodes requiring reliable air exchange.

Supplemental Images

