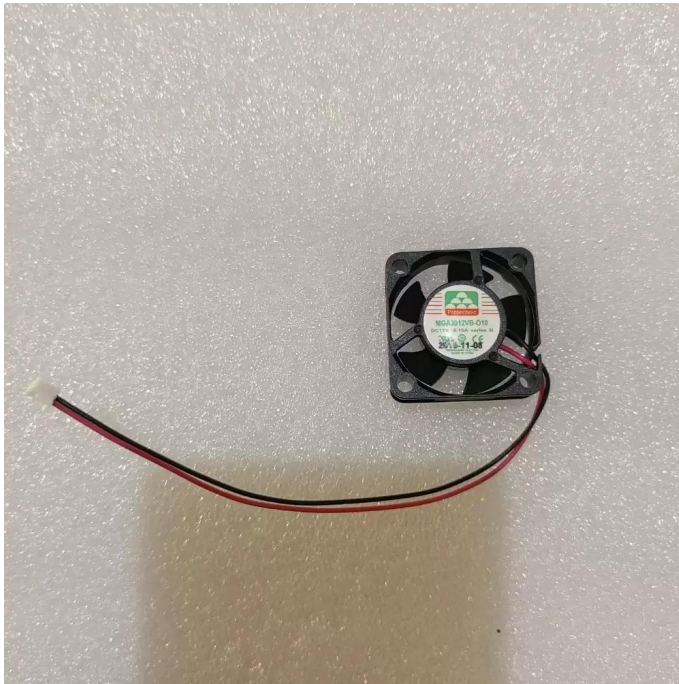


MGA3012VB-O10 Magic 12VDC 30x30x10mm Cooling Axial Fan Datasheet



Brand: Protechnic

SKU: 805814401348

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mga3012vb-o10-magic-12vdc-30x30x10mm-cooling-axial-fan>

Product Description

The Magic MGA3012VB-O10 is a compact Axial Fan engineered for precision thermal management in space-constrained electronic assemblies. Utilizing advanced DC brushless motor technology paired with a durable Ball Bearing architecture, this unit ensures sustained rotational stability and reduced frictional wear over extended operational cycles. The aerodynamic impeller design is optimized to deliver a high airflow-to-size ratio, effectively overcoming thermal impedance in dense circuitry. Its structural rigidity and efficient commutation make it an ideal solution for maintaining optimal operating temperatures in critical hardware components where reliability is paramount.

Model Number: MGA3012VB-O10

Brand: Magic (Magic Precision)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.15 A

Input Power: 1.80 W

Rated Speed: 9500 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 4.20 CFM (7.13 m³/h / 0.12 m³/min)

Max. Static Pressure: 5.08 mmH₂O (49.81 Pa / 0.20 inH₂O)

Dimensions: 30x30x10mm

Weight: 8.5 g

Noise Level: 29.0 dB(A)

Frame Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 50,000 Hours at 40°C

Termination: 2-Wire Leads

Ingress Protection: IP40

Insulation Class: Class A

Safety Certifications: CE, UL, TUV

The MGA3012VB-O10 is engineered for compact electronic applications requiring active thermal dissipation, specifically targeting mobile device cooling brackets and smartphone gaming grips. By integrating the MGA3012VB-O10 into handheld peripherals, manufacturers ensure sustained processor performance and battery safety during high-load operations. This unit is also deployed in miniature optical projectors, portable medical instrumentation, and dense IoT sensor arrays where footprint minimization is critical.

Supplemental Images

