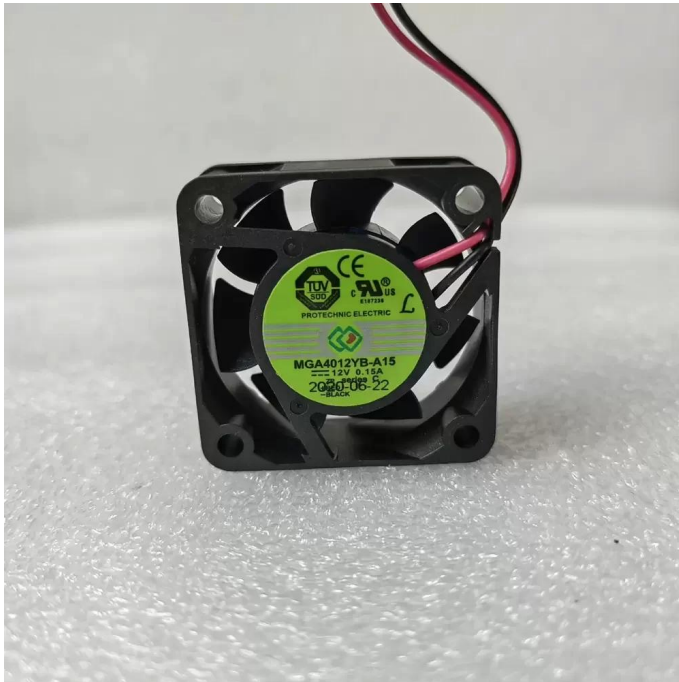


MGA4012YB-A15 MAGIC 12VDC 40x40x15mm 2-Ball Bearing Axial Fan Datasheet



Brand: Protechnic

SKU: [805666270839](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mga4012yb-a15-magic-12vdc-40x40x15mm-2-ball-bearing-axial-fan>

Product Description

The MAGIC MGA4012YB-A15 is a high-precision DC Axial Fan engineered for demanding thermal management environments. Utilizing advanced DC brushless motor technology combined with a durable 2-ball bearing architecture, this unit ensures minimal frictional resistance and extended operational lifespan. The aerodynamic impeller design is optimized to balance airflow delivery with static pressure generation, significantly reducing thermal impedance within compact electronic enclosures. Structural rigidity is maintained through a reinforced thermoplastic frame, making it suitable for continuous operation in industrial-grade applications requiring consistent reliable cooling performance.

Model Number: MGA4012YB-A15

Brand: MAGIC (Protechnic Electric)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.15 A

Power Consumption: 1.80 W

Rated Speed: 8500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 9.2 CFM (15.63 m³/h / 0.26 m³/min)

Max. Static Pressure: 6.5 mmH₂O (63.74 Pa / 0.26 inH₂O)

Dimensions: 40x40x15mm

Weight: 25 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 34.0 dB(A)

Frame Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Termination: 3-Wire Leads with Connector

Wire Gauge: 26 AWG

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Insulation Resistance: >10M Ohm at 500VDC

Dielectric Strength: 500VAC for 1 Minute

Safety Certifications: UL, CUL, TUV, CE

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

This cooling solution is specifically calibrated for high-density electronic assemblies where space is at a premium. The MGA4012YB-A15 is frequently deployed in 1U server rack enclosures, network switches, and industrial automation control panels. Additionally, the MGA4012YB-A15 serves effectively in medical instrumentation and telecommunications equipment, providing reliable forced-air convection to dissipate heat from critical components like CPUs, chipsets, and power supply units.

Supplemental Images

