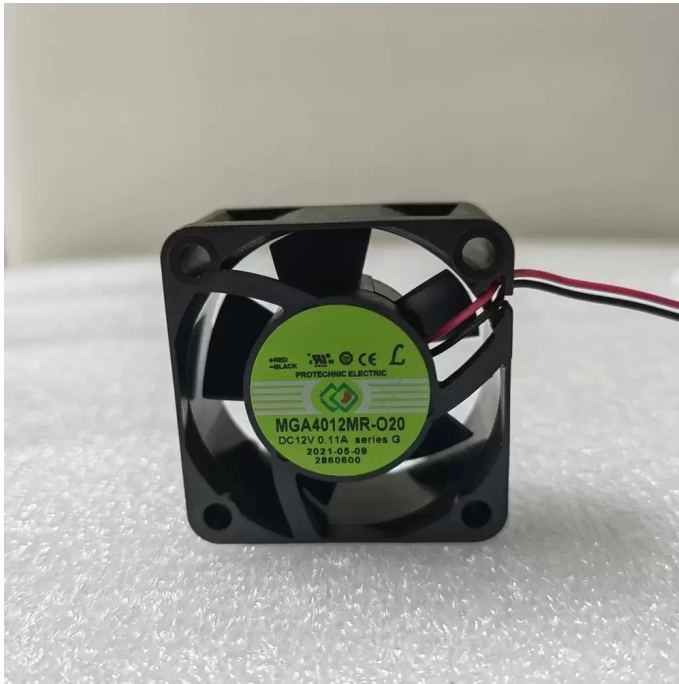


MGA4012MR-O20 Protechnic 12VDC 40x40x20mm Axial Fan Datasheet



Brand: Protechnic

SKU: 1045275367537

Category: Axial & Centrifugal Fans

Price: **\$13.07**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mga4012mr-o20-protechnic-12vdc-40x40x20mm-axial-fan>

Product Description

Protechnic MGA4012MR-O20 is a 40 x 40 x 20 mm axial cooling fan operating at a nominal 12 VDC with a 0.11 A current draw. The unit features a proprietary Magic Bearing system housed within a glass-fiber reinforced PBT plastic frame and impeller, meeting UL 94V-0 flammability standards. It utilizes a brushless DC motor design with auto-restart protection and polarity protection, delivering a rated speed of 6500 RPM and an airflow capacity of approximately 8.5 CFM. Electrical connection is established via a 3-wire lead interface.

MGA4012MR-O20 Specifications

Model: MGA4012MR-O20

Brand: Protechnic Electric (Magic)

Dimensions: 40 x 40 x 20 mm

Rated Voltage: 12 VDC

Operating Voltage Range: 10.2 to 13.8 VDC

Rated Current: 0.11 A

Input Power: 1.32 W

Rated Speed: 6500 RPM

Maximum Airflow: 8.5 CFM

Static Pressure: 4.2 mmH₂O

Noise Level: 28.5 dBA

Bearing Type: Magic Bearing

Frame Material: PBT Plastic (UL 94V-0)

Impeller Material: PBT Plastic (UL 94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Life Expectancy: 50,000 hours at 40 °C

Weight: 27 g

Termination: 3-Wire Lead Wires

Motor Protection: Auto Restart, Polarity Protected

MGA4012MR-O20 Applications

Primary applications include integration into audio power amplifier thermal management systems, switch-mode power supply (SMPS) enclosures, and compact telecommunications networking hardware. Deployed within industrial server racks and medical diagnostic equipment requiring localized component cooling.

Supplemental Images

