

MGA4012MR-A20 Protechnic 12VDC 0.11A 40x40x10mm Axial Fan Datasheet



Brand: Protechnic

SKU: 805254922803

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mga4012mr-a20-protechnic-12vdc-0-11a-40x40x10mm-axial-fan>

Product Description

The Protechnic MGA4012MR-A20 is a compact DC axial fan engineered for precision thermal management in space-constrained electronic assemblies. Utilizing advanced DC brushless motor technology, this unit delivers consistent airflow while maintaining a low acoustic profile, making it suitable for noise-sensitive industrial environments. The frame is constructed from durable PBT material to ensure structural rigidity and minimize vibration transmission, thereby optimizing the thermal impedance of the target system. Its aerodynamic blade design enhances static pressure capabilities, ensuring effective heat dissipation across high-density component layouts. The fan features a robust bearing architecture designed to prolong operational lifespan under continuous duty cycles.

Model Number: MGA4012MR-A20

Brand: Protechnic Electric

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.11 A

Input Power: 1.32 W

Rated Speed: 5800 RPM

Bearing Type: Rifle Bearing

Max. Air Flow: 6.8 CFM (11.55 m³/h / 0.19 m³/min)
Max. Static Pressure: 3.5 mmH₂O (34.3 Pa / 0.14 inH₂O)
Dimensions: 40 x 40 x 10 mm
Weight: 20 g
Life Expectancy: 40,000 Hours @ 40°C
Termination: 2-Wire (Lead Wire)
Wire Gauge: 26 AWG
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Noise Level: 24.5 dBA
Ingress Protection: IP20
Safety Certifications: CE, UL, TUV

The MGA4012MR-A20 is frequently integrated into compact power supply units, network switches, and small-form-factor server chassis where internal clearance is limited. Engineers rely on the MGA4012MR-A20 for cooling chipset heatsinks and ventilating enclosed industrial controllers, ensuring operational stability in telecommunications and automation equipment.

Supplemental Images

