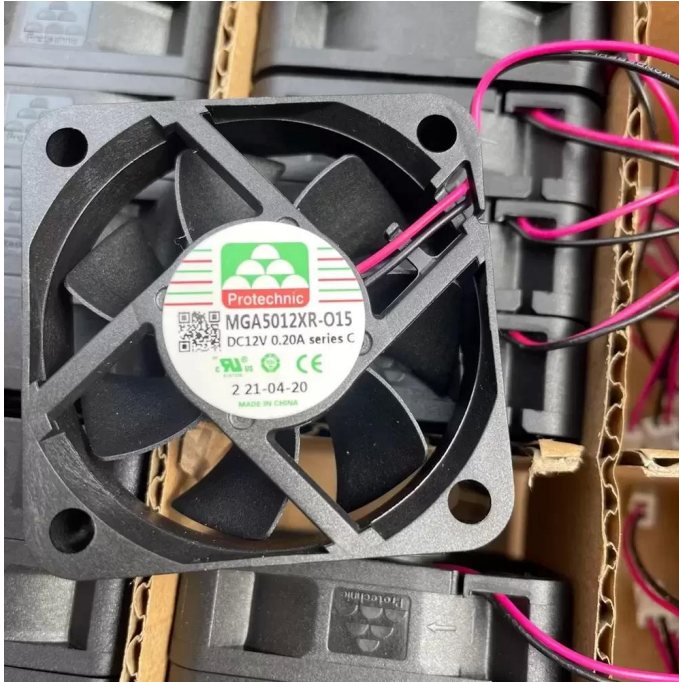


MGA5012XR-O15 Protechnic 12VDC 50x50x15mm Axial Fan Datasheet



Brand: Protechnic

SKU: 1000937308732

Category: Axial & Centrifugal Fans

Price: \$9.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mga5012xr-o15-protechnic-12vdc-50x50x15mm-axial-fan>

Product Description

The Protechnic MGA5012XR-O15 is a precision-engineered DC axial fan designed for high-density thermal management applications requiring a compact footprint. Utilizing advanced DC brushless motor technology, this unit delivers consistent airflow while maintaining optimal thermal impedance within restricted enclosures. The rotor assembly is balanced to minimize vibration, ensuring structural rigidity and prolonged operational stability. Constructed with durable thermoplastic materials, the MGA5012XR-O15 features an optimized blade geometry that enhances static pressure capabilities, making it an ideal solution for mitigating heat accumulation in industrial power supplies and control systems where reliability is paramount.

Model Number: MGA5012XR-O15

Brand: Protechnic Electric

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.20 A

Input Power: 2.40 W

Rated Speed: 5800 RPM

Max. Air Flow: 14.5 CFM (24.6 m³/h / 0.41 m³/min)

Max. Static Pressure: 4.20 mmH₂O (41.19 Pa / 0.17 inH₂O)

Noise Level: 31.0 dB(A)

Bearing Type: Rifle Bearing

Dimensions: 50 x 50 x 15 mm

Weight: 28 g

Life Expectancy: 40,000 Hours at 40°C

Housing Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Termination: 2-Wire Leads

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Safety Certifications: CE, UL, TUV

This cooling solution is engineered for critical heat dissipation in compact electronic assemblies, including industrial power supply units and server chassis. The MGA5012XR-O15 provides reliable airflow for industrial control equipment where space is at a premium but thermal performance cannot be compromised. Integrators frequently utilize the MGA5012XR-O15 in network appliances, compact IPCs, and telecommunication devices to ensure component longevity by maintaining safe operating temperatures under continuous load.

Supplemental Images

