

MGT4012ZB-R15 Protechnic 12VDC 40x40x15mm Axial Fan Datasheet



Brand: Protechnic

SKU: [662420453164](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mgt4012zb-r15-protechnic-12vdc-40x40x15mm-axial-fan>

Product Description

The Protechnic MGT4012ZB-R15 is a precision-engineered DC axial fan designed for high-density thermal management applications. Featuring a robust Dual Ball Bearing architecture, this unit ensures minimized friction coefficients and extended operational longevity under continuous load. The aerodynamic impeller design optimizes airflow delivery while maintaining structural rigidity, effectively reducing thermal impedance in compact electronic enclosures. Engineered for reliability, the MGT4012ZB-R15 integrates advanced motor commutation technology to deliver consistent performance, making it an ideal solution for critical industrial cooling requirements where space constraints and thermal efficiency are paramount.

Model Number: MGT4012ZB-R15

Brand: Protechnic (Magic)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.20 A

Power: 2.40 W

Rated Speed: 8500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 9.50 CFM (16.14 m³/h / 0.27 m³/min)

Max. Static Pressure: 7.50 mmH₂O (73.55 Pa / 0.29 inH₂O)

Dimensions: 40x40x15mm

Weight: 28 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 36.5 dB(A)

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Termination: 2-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

This compact cooling solution is frequently deployed in high-performance server racks and network switchgear where efficient heat dissipation is critical. The MGT4012ZB-R15 excels in cooling 1U power supplies and compact industrial automation controllers, ensuring component stability within tight enclosures. Additionally, the MGT4012ZB-R15 is utilized in medical instrumentation and telecommunications equipment, providing reliable airflow to prevent thermal throttling in sensitive electronic circuits.

Supplemental Images

