

MGT4012YB-R20 Protechnic 12VDC 2.16W 40x40x20mm Axial Fan Datasheet



Brand: Protechnic

SKU: [1046976229820](#)

Category: Axial & Centrifugal Fans

Price: **\$15.07**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mgt4012yb-r20-protechnic-12vdc-2-16w-40x40x20mm-axial-fan>

Product Description

The Protechnic MGT4012YB-R20 is a high-performance 40 x 40 x 20 mm axial fan operating at a nominal 12 VDC with a power consumption of 2.16 W. It features a robust dual ball bearing system and a frame constructed from black fiberglass-reinforced PBT plastic rated to UL 94V-0 standards. The internal motor mechanism is designed for high-speed rotation at 9000 RPM, utilizing a 3-wire interface that includes a dedicated rotation detection signal for system monitoring.

MGT4012YB-R20 Specifications

Model: MGT4012YB-R20

Brand: Protechnic

Category: DC Axial Fan

Dimensions: 40 x 40 x 20 mm

Rated Voltage: 12 VDC

Operating Voltage Range: 10.2 to 13.8 VDC

Rated Current: 0.18 A

Input Power: 2.16 W

Rated Speed: 9000 RPM

Maximum Air Flow: 11.54 CFM

Static Pressure: 0.390 inchAq

Noise Level: 37.8 dB(A)

Bearing Type: Dual Ball Bearing
Frame Material: PBT Plastic (UL 94V-0)
Impeller Material: PBT Plastic (UL 94V-0)
Termination: 3-wire Lead Wires
Signal Output: Rotation Detector (RD)
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +70 °C
Life Expectancy: 70,000 hours (L10 at 40 °C)
Weight: 32 g
Safety Approvals: UL, TUV, CE

MGT4012YB-R20 Applications

Primary applications include integration into high-density power supply units, industrial-grade power amplifiers, and solar power inverters. Deployed within network server chassis and telecommunications equipment for localized thermal management of internal electronic components.

Supplemental Images

