

MGT8012XB-R25 Protechnic 12VDC 0.39A 80x80x25mm IP68 Fan Datasheet



Brand: Protechnic

SKU: [1041941859152](#)

Category: Axial & Centrifugal Fans

Price: **\$22.36**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mgt8012xb-r25-protechnic-12vdc-0-39a-80x80x25mm-ip68-fan>

Product Description

Protechnic MGT8012XB-R25 is an 80 x 80 x 25 mm axial fan operating at 12 VDC with a 0.39 A current draw. It features a dual ball bearing system and a PBT thermoplastic housing rated to UL 94V-0 standards. The unit is fully encapsulated to achieve an IP 68 ingress protection rating against water and dust. The internal motor utilizes a brushless DC design with a 3-wire interface providing a frequency generator (FG) signal for speed monitoring.

MGT8012XB-R25 Specifications

Model: MGT8012XB-R25

Brand: Protechnic (Magic)

Dimensions: 80 x 80 x 25 mm

Rated Voltage: 12 VDC

Operating Voltage: 7.0 to 13.8 VDC

Rated Current: 0.39 A

Input Power: 4.68 W

Bearing Type: Dual Ball Bearing

Ingress Protection: IP 68

Interface: 3-wire

Signal Output: Tachometer / FG Signal

Fan Speed: 3600 RPM

Air Flow: 49.15 CFM

Static Pressure: 5.85 mmAq

Noise Level: 44 dB(A)

Housing 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: 70,000 hours at 40 °C

Weight: 114 g

MGT8012XB-R25 Applications

Primary applications include integration into outdoor telecommunications enclosures, industrial server rack cooling systems, and CNC machine control cabinets. Deployed within ruggedized power supply units and automated manufacturing equipment requiring high-reliability thermal management in high-moisture or dusty environments.

Supplemental Images

