

MGT4012FB-W28 ProTechnic 12VDC 3A 40x40x28mm Server Fan Datasheet



Brand: Protechnic

SKU: [1043292545781](#)

Category: Axial & Centrifugal Fans

Price: **\$15.14**

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Product Page:

<https://www.equipspares.com/product/mgt4012fb-w28-protechnic-12vdc-3a-40x40x28mm-server-fan>

Product Description

ProTechnic MGT4012FB-W28 is a 40 x 40 x 28 mm ultra-high-performance axial fan operating at 12 VDC with a 3.0 A current rating. The unit features a dual ball bearing system and a PBT thermoplastic frame and impeller rated UL 94V-0. It utilizes a brushless DC motor architecture with integrated PWM speed control and frequency generator (tachometer) output. The internal mechanism is designed for extreme rotational speeds to generate high static pressure and volumetric airflow through a compact 40 mm footprint.

MGT4012FB-W28 Specifications

Model: MGT4012FB-W28

Brand: ProTechnic Electric

Dimensions: 40 x 40 x 28 mm

Rated Voltage: 12 VDC

Operating Voltage Range: 7.0 to 13.2 VDC

Rated Current: 3.0 A

Rated Power: 36.0 W

Rated Speed: 28,000 RPM

Maximum Airflow: 38.5 CFM

Maximum Static Pressure: 5.80 In H₂O

Noise Level: 72.0 dBA

Bearing Type: Dual Ball Bearing

Frame Material: PBT Plastic (UL 94V-0)

Impeller Material: PBT Plastic (UL 94V-0)

Termination: 4-Wire Lead Wires

Control Type: PWM Speed Control

Signal Output: Tachometer / Frequency Generator

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Life Expectancy: 70,000 Hours at 40 °C

Weight: 55 g

MGT4012FB-W28 Applications

Primary applications include integration into 1U/2U rackmount server chassis, high-density blade servers, and network switch enclosures. Deployed within redundant power supply units (PSU) and telecommunications base station cooling modules requiring high static pressure for dense component heat dissipation.

Supplemental Images

