

# MGT4012VB-O28 Protechnic 12VDC 0.80A 40x40x28mm Cooling Fan Datasheet



**Brand:** Protechnic

**SKU:** [1041588707679](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$12.79**

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Product Page:

<https://www.equipspares.com/product/mgt4012vb-o28-protechnic-12vdc-0-80a-40x40x28mm-cooling-fan>

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## Product Description

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Protechnic MGT4012VB-O28 40 x 40 x 28 mm 12 VDC 0.80 A high-performance axial fan is a high-density thermal management component. The unit is constructed with a reinforced PBT plastic frame and impeller rated to UL 94V-0 standards, utilizing a precision dual ball bearing system for extended operational longevity. It operates within a voltage range of 6.0 VDC to 13.8 VDC, delivering high static pressure and airflow through a compact 4028 form factor. The internal motor architecture includes protection against reverse polarity and locked rotor conditions to ensure hardware integrity during peak duty cycles.

### MGT4012VB-O28 Specifications

Model: MGT4012VB-O28

Brand: Protechnic

Category: DC Axial Fan

Dimensions: 40 x 40 x 28 mm

Rated Voltage: 12 VDC

Operating Voltage: 6.0 to 13.8 VDC

Rated Current: 0.80 A

Input Power: 9.6 W

Bearing Type: Dual Ball Bearing

Rotational Speed: 18,000 RPM

Frame Material: PBT Plastic (UL 94V-0)  
Impeller Material: PBT Plastic (UL 94V-0)  
Operating Temperature: -10 to 70 °C  
Storage Temperature: -40 to 75 °C  
Life Expectancy: 70,000 hours at 40 °C  
Termination: Lead Wires  
Weight: 45 g

#### MGT4012VB-O28 Applications

Primary applications include integration into 1U server chassis, high-density network switches, and professional power amplifiers. Deployed within industrial telecommunications base stations and compact workstation enclosures requiring high static pressure for localized component cooling.

## Supplemental Images

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