

MGT7012MF-W25 Protechnic 12VDC 70x70x25mm Axial Fan Datasheet



Brand: Protechnic

SKU: 805946853052

Category: Axial & Centrifugal Fans

Price: \$11.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mgt7012mf-w25-protechnic-12vdc-70x70x25mm-axial-fan>

Product Description

The Protechnic MGT7012MF-W25 is a precision-engineered DC Axial Fan designed for high-reliability industrial thermal management applications. Utilizing advanced DC brushless motor technology combined with a robust dual ball bearing architecture, this unit ensures minimal rotational friction and significantly extended operational service life compared to sleeve bearing alternatives. The aerodynamic impeller geometry is optimized to reduce thermal impedance while maintaining structural rigidity under continuous mechanical load. This cooling solution delivers consistent airflow performance, making it an essential component for critical electronic systems requiring efficient heat dissipation and stable operation within complex assemblies.

Model Number: MGT7012MF-W25

Brand: Protechnic Electric (Magic)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.17 A

Power Consumption: 2.04 W

Rated Speed: 3200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 33.0 CFM (56.0 m³/h)

Max. Static Pressure: 3.8 mmH₂O (37.2 Pa)

Dimensions: 70 x 70 x 25 mm

Noise Level: 31.0 dB(A)

Frame Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Termination: Lead Wires

Motor Type: Brushless DC

Protection: Impedance Protected

The MGT7012MF-W25 is engineered for versatile deployment in demanding industrial environments, specifically targeting applications such as commercial dryers and variable frequency inverter cooling systems. Its compact 70mm footprint allows for seamless integration into power supply units, automation control cabinets, and telecommunications equipment where space is at a premium but airflow cannot be compromised. By effectively managing thermal loads, the MGT7012MF-W25 safeguards sensitive components against overheating, ensuring the longevity and reliability of critical machinery like variable frequency drives, CNC controllers, and server rack assemblies.

Supplemental Images

