MGT12012ZR-W25 Protechnic 12VDC 120x120x25mm PWM Axial Fan Datasheet

Brand: Protechnic

SKU: 978328530257

Category: Axial & Centrifugal Fans

Price: **$14.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/mgt12012zr-w25-protechnic-12vdc-120x120x25mm-pwm-axial-fan

Product Description

The Protechnic MGT12012ZR-W25 is a high-performance DC axial fan engineered for critical thermal management in dense electronic enclosures. Utilizing advanced motor technology and a specialized Z-axis bearing system, this unit ensures optimal rotational stability and reduced thermal impedance under heavy load conditions. The aerodynamic blade geometry is designed to maximize static pressure while maintaining structural rigidity, preventing blade deformation at high velocities. With integrated Pulse Width Modulation (PWM) control, the fan offers precise speed regulation, balancing cooling efficiency with acoustic performance for industrial and computing applications.

Model Number: MGT12012ZR-W25
Brand: Protechnic
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Operating Voltage Range: 7.0 - 13.2 VDC
Rated Current: 0.90 A
Power Consumption: 10.80 W
Rated Speed: 3800 RPM
Bearing Type: Rifle Bearing (Z-Axis)
Max. Air Flow: 108.2 CFM (183.8 m^3/h / 3.06 m^3/min)
Max. Static Pressure: 7.50 mmH_2O (73.5 Pa / 0.29 inH_2O)

Dimensions: 120 x 120 x 25 mm
Noise Level: 46.5 dB(A)
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire / 4-Pin Connector
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Life Expectancy: 50,000 Hours at 40°C
Mounting Orientation: Any

Designed for high-demand environments, the MGT12012ZR-W25 excels in cooling high-performance CPU heatsinks and server chassis where airflow restriction is a concern. The robust design allows the MGT12012ZR-W25 to operate reliably in industrial automation equipment, telecommunications racks, and precision medical devices, ensuring critical components remain within safe thermal operating limits.

Supplemental Images