

PMD2409PMB1-A.(2).R.GN Sunon 24VDC 92x92x38mm Alarm Fan Datasheet



Brand: SUNON

SKU: 779532214181

Category: Axial & Centrifugal Fans

Price: \$23.99

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Product Page:

<https://www.equipspares.com/product/pmd2409pmb1-a-2-r-gn-sunon-24vdc-92x92x38mm-alarm-fan>

Product Description

The Sunon PMD2409PMB1-A.(2).R.GN is a high-capacity DC axial fan engineered for demanding thermal management applications requiring substantial airflow density. Utilizing advanced brushless DC motor technology coupled with a precision dual ball bearing architecture, this unit ensures reduced friction and enhanced structural rigidity under continuous operation. The aerodynamic impeller design optimizes static pressure capabilities while maintaining thermal impedance at minimal levels, making it an ideal solution for industrial enclosures and power electronics cooling.

Model Number: PMD2409PMB1-A.(2).R.GN

Brand: Sunon

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 10.0 - 27.6 VDC

Rated Current: 0.51 A

Power Consumption: 12.2 W

Rated Speed: 4900 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 120.2 CFM (204.2 m³/h / 3.40 m³/min)

Max. Static Pressure: 18.03 mmH₂O (176.8 Pa / 0.71 inH₂O)

Dimensions: 92x92x38mm

Weight: 190 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 57.6 dBA

Speed Control: No (Fixed Speed)

Output Signal: RD (Rotation Detector/Alarm)

Termination: 3-Wire Lead

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Safety Certifications: UL, CUR, TUV

This high-performance cooling solution is specifically calibrated for integration into industrial automation equipment, including variable frequency drives and heavy-duty power supplies. The PMD2409PMB1-A.(2).R.GN excels in environments such as server cabinets, CNC machinery, and telecommunications infrastructure where heat dissipation is critical. Furthermore, the PMD2409PMB1-A.(2).R.GN is frequently utilized as a direct replacement component for Schneider inverter cooling systems, ensuring operational stability through its robust fault detection signaling.

Supplemental Images

