

PMD2412PMB1-A.(2).GN SUNON 24VDC 120x120x38mm 18.2W Axial Fan Datasheet



Brand: SUNON

SKU: 920059301363

Category: Axial & Centrifugal Fans

Price: \$32.99

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Product Page:

<https://www.equipspares.com/product/pmd2412pmb1-a-2-gn-sunon-24vdc-120x120x38mm-18-2w-axial-fan>

Product Description

The SUNON PMD2412PMB1-A.(2).GN is a high-capacity DC Axial Fan engineered for demanding industrial thermal management applications. Utilizing advanced motor technology and a robust 2-ball bearing architecture, this unit ensures operational stability under high static pressure conditions. The aerodynamic impeller design optimizes airflow efficiency while minimizing thermal impedance within dense electronic enclosures. Constructed with UL94V-0 rated thermoplastic, the fan maintains structural rigidity and reliability, making it an ideal solution for critical cooling requirements where continuous operation is paramount.

Model Number: PMD2412PMB1-A.(2).GN

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 10.0 - 27.6 VDC

Rated Current: 0.76 A

Power Consumption: 18.2 W

Rated Speed: 4200 RPM

Bearing Type: 2 Ball Bearing

Max. Air Flow: 190.0 CFM (322.8 m³/h / 5.38 m³/min)

Max. Static Pressure: 0.65 inH₂O (16.51 mmH₂O / 161.9 Pa)

Dimensions: 120 x 120 x 38 mm

Weight: 330 g

Noise Level: 57.0 dBA

Life Expectancy: 70,000 Hours at 40°C

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Termination: 2-Wire (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Safety Certifications: UL, CUR, TUV

Protection Features: Auto Restart, Polarity Protection

This high-performance cooling solution is specifically designed for industrial automation and power conversion systems. The PMD2412PMB1-A.(2).GN is frequently deployed in variable frequency drives (VFDs), heavy-duty inverters, and server rack enclosures requiring substantial airflow to dissipate heat generated by power components. Additionally, the PMD2412PMB1-A.(2).GN serves as a critical component in telecommunications cabinets, CNC machinery control panels, and medical instrumentation, ensuring optimal operating temperatures for sensitive electronics in continuous-duty environments.

Supplemental Images

