

PMD2412PTB3-A.(2).GN SUNON 24VDC 120x120x38mm DC Axial Fan Datasheet



Brand: SUNON

SKU: [988552630644](#)

Category: Axial & Centrifugal Fans

Price: **\$19.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/pmd2412ptb3-a-2-gn-sunon-24vdc-120x120x38mm-dc-axial-fan>

Product Description

The SUNON PMD2412PTB3-A.(2).GN is a robust DC axial fan engineered for critical thermal management in industrial environments. Featuring advanced motor technology and a durable dual ball bearing architecture, this unit ensures sustained operation under high static pressure requirements. The aerodynamic impeller design optimizes airflow efficiency while minimizing turbulence, resulting in a favorable ratio of performance to noise. Constructed with high-grade thermoplastic materials, the fan offers superior structural rigidity and resistance to environmental stress, making it an ideal solution for reducing thermal impedance in power electronics and inverter systems.

Model Number: PMD2412PTB3-A.(2).GN

Brand: SUNON

Product Type: DC Axial Fan

Frame Size: 120mm x 120mm x 38mm

Rated Voltage: 24VDC

Voltage Range: 10.0 - 27.6 VDC

Power Input: 6.7W

Rated Current: 0.28 A

Rated Speed: 3100 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 108.2 CFM (183.8 m³/h / 3.06 m³/min)

Max. Static Pressure: 0.36 inH₂O (89.6 Pa / 9.14 mmH₂O)

Noise Level: 42.0 dB(A)

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

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Weight: 330g

Ingress Protection: IP20 (Standard)

Insulation Class: Class A

Safety Certifications: UL, CUR, TUV

Motor Protection: Impedance Protected, Reverse Polarity Protection

Dielectric Strength: 500VAC for 1 Minute

Designed for high-reliability applications, the PMD2412PTB3-A.(2).GN is frequently integrated into variable frequency drive inverters and industrial power supply units where consistent cooling is mandatory. Its robust construction allows it to function effectively in server racks and telecommunication cabinets, maintaining optimal operating temperatures for sensitive electronics. The PMD2412PTB3-A.(2).GN also serves well in CNC machinery control panels and medical instrumentation, providing the necessary airflow to prevent component overheating in enclosed spaces.

Supplemental Images

