

PMD1208PMB3-A.(2).S.B1263.R Sunon 12VDC 80x38mm Axial Fan Datasheet



Brand: SUNON

SKU: [1035303402402](#)

Category: Axial & Centrifugal Fans

Price: **\$19.29**

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Product Page:

<https://www.equipspares.com/product/pmd1208pmb3-a-2-s-b1263-r-sunon-12vdc-80x38mm-axial-fan>

Product Description

Sunon PMD1208PMB3-A.(2).S.B1263.R is a 12VDC 80x80x38mm Axial Fan optimized for high-density thermal management in industrial enclosures. This unit features a high-performance DC brushless motor with a dual ball bearing architecture, ensuring long-term structural rigidity and minimal thermal impedance under continuous duty cycles. The aerodynamic impeller design is engineered to overcome significant system resistance, delivering a robust 4.4W power output. Operating at a rated current of 0.36A, this fan provides the necessary static pressure to maintain optimal airflow in restricted environments. The 3-wire configuration includes a signal output for precise monitoring, making it a reliable replacement fan for mission-critical hardware requiring stable cooling performance.

Model Number: PMD1208PMB3-A.(2).S.B1263.R

Brand: Sunon

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.36 A

Power: 4.4 W

Rated Speed: 4200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 56.5 CFM (1.60 m³/min)
Max. Static Pressure: 10.16 mmH₂O (0.40 inH₂O)
Dimensions: 80 x 80 x 38 mm
Weight: 175 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 46.5 dB(A)
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Termination: 3 Lead Wires
Signal Output: Tachometer / Frequency Generator
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +70 °C
Protection Features: Auto Restart, Polarity Protection

PMD1208PMB3-A.(2).S.B1263.R Applications

1. Industrial Control Cabinets: The 38mm depth and high RPM provide the necessary static pressure to push air through dense internal wiring and modular components.
2. 2U Rackmount Servers: Ideal as a high-pressure replacement fan for server chassis where high component density creates significant airflow resistance.
3. Telecommunications Base Stations: Dual ball bearing construction ensures reliable vertical or horizontal mounting in ruggedized outdoor environments subject to temperature fluctuations.

Supplemental Images

