

PMD2408PMB3-A.(2).GN SUNON 24VDC 80x80x38mm Axial Fan Datasheet



Brand: SUNON

SKU: 773090757133

Category: Axial & Centrifugal Fans

Price: **\$21.99**

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Product Page:

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Product Description

The SUNON PMD2408PMB3-A.(2).GN is a precision-engineered DC axial fan designed for applications requiring substantial static pressure and consistent airflow. Utilizing SUNON's advanced dual ball bearing architecture, this unit ensures reduced friction and enhanced longevity under continuous operation. The 80x80x38mm frame is constructed from reinforced thermoplastic PBT (UL94V-0), offering superior structural rigidity and thermal impedance against harsh industrial environments. Its aerodynamic impeller design optimizes the pressure-to-flow ratio, making it an ideal solution for high-density electronic cooling where thermal management is critical. The 4.8W motor drive system provides efficient torque delivery while maintaining operational stability, ensuring reliable performance in demanding thermal envelopes.

Model Number: PMD2408PMB3-A.(2).GN

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Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 10.0 - 27.6 VDC

Rated Current: 0.20 A

Power: 4.8 W

Rated Speed: 4200 RPM

Bearing Type: 2 Ball Bearing

Max. Air Flow: 57.6 CFM (97.8 m³/h / 1.63 m³/min)
Max. Static Pressure: 0.38 inH₂O (9.65 mmH₂O / 94.6 Pa)
Dimensions: 80x80x38mm
Weight: 175 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 45.6 dBA
Housing Material: PBT Thermoplastic (UL94V-0)
Blade Material: PBT Thermoplastic (UL94V-0)
Termination: 2 Lead Wires (Red +, Black -)
Wire Gauge: 24 AWG
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Safety Certifications: UL, CUR, TUV, CE
Motor Protection: Impedance Protected, Reverse Polarity Protection

The PMD2408PMB3-A.(2).GN is engineered for high-demand industrial environments such as telecommunications server racks, network switches, and power supply units where component density restricts natural convection. This fan is also frequently integrated into CNC machinery control panels and medical diagnostic equipment requiring reliable thermal dissipation. By maintaining optimal operating temperatures, the PMD2408PMB3-A.(2).GN prevents thermal throttling in automation controllers and extends the service life of sensitive electronic assemblies in 24/7 operational settings.

Supplemental Images

