

PSD1206PMBX-A.(2).B3420.F.GN Sunon 12VDC 60x60x38mm DC Fan Datasheet



Brand: SUNON

SKU: [816113665766](#)

Category: Axial & Centrifugal Fans

Price: **\$15.99**

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Product Page:

<https://www.equipspares.com/product/psd1206pmbx-a-2-b3420-f-gn-sunon-12vdc-60x60x38mm-dc-fan>

Product Description

The Sunon PSD1206PMBX-A.(2).B3420.F.GN is a high-performance DC axial fan engineered for applications demanding exceptional airflow and static pressure within a compact form factor. Utilizing advanced brushless DC motor technology and a precision-balanced impeller, this unit delivers substantial cooling capacity, making it ideal for high-density electronic environments. The construction features a robust thermoplastic frame and impeller, ensuring structural rigidity and long-term durability under continuous operation. Equipped with a dual ball bearing system, the fan minimizes friction and thermal impedance, significantly extending the operational lifespan. Its aerodynamic design is specifically tuned to overcome high system resistance, providing reliable thermal management for sensitive industrial components.

Model Number: PSD1206PMBX-A.(2).B3420.F.GN

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Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 1.50 A

Power Consumption: 18.0 W

Rated Speed: 13000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 56.5 CFM (96.0 m³/h / 1.60 m³/min)
Max. Static Pressure: 1.07 inH₂O (27.2 mmH₂O / 266.5 Pa)
Dimensions: 60 x 60 x 38 mm
Weight: 90 g
Life Expectancy: 70,000 Hours @ 40°C
Noise Level: 58.5 dB(A)
Housing Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Direction of Rotation: Counter-clockwise
Termination: Lead Wires (UL1007, 24AWG)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Safety Features: Auto Restart, Polarity Protection
Certifications: UL, CUR, TUV, CE

Designed for high-static pressure environments, the PSD1206PMBX-A.(2).B3420.F.GN is frequently utilized in 1U and 2U server chassis where dense component layouts restrict airflow. This model excels in telecommunications equipment, network switches, and industrial power supplies requiring forced convection cooling. The PSD1206PMBX-A.(2).B3420.F.GN is also suitable for specialized cooling in medical instrumentation and automated manufacturing systems where reliability and high-velocity air movement are paramount for preventing thermal throttling.

Supplemental Images

