

# PSD1206PMBX-A.(2).B3420.F.GB SUNON 12VDC 60x60x38mm Axial Fan Datasheet



**Brand:** SUNON

**SKU:** 987325721495

**Category:** Axial & Centrifugal Fans

**Price:** \$13.99

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

Product Page:

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

## Product Description

The SUNON PSD1206PMBX-A.(2).B3420.F.GB is a high-performance DC axial fan engineered for mission-critical thermal management in high-density server environments and industrial electronics. Featuring an advanced brushless DC motor architecture and a robust dual ball bearing system, this unit delivers exceptional structural rigidity and operational longevity under continuous high-speed loads. The aerodynamic impeller design is specifically optimized to overcome high system impedance, generating significant static pressure while maintaining efficient airflow throughput. With a substantial power rating of 18W, this 60mm cooling solution effectively dissipates heat from concentrated sources, ensuring system stability and reducing thermal resistance in compact, high-impedance enclosures.

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

Brand: SUNON

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: 14000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 68.0 CFM (115.5 m<sup>3</sup>/h / 1.92 m<sup>3</sup>/min)

Max. Static Pressure: 45.7 mmH<sub>2</sub>O (448 Pa / 1.80 inH<sub>2</sub>O)

Dimensions: 60x60x38 mm

Weight: 95 g

Noise Level: 61.5 dB(A)

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP21

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Termination: 4-Wire Leads with Connector

Speed Control: PWM (Pulse Width Modulation)

Output Signal: Tachometer (Frequency Generator)

Motor Protection: Locked Rotor Protection, Polarity Protection

Safety Approvals: UL, CUR, TUV, CE

Designed for high-static pressure requirements, the PSD1206PMBX-A.(2).B3420.F.GB excels in cooling 1U and 2U server racks where dense component layouts restrict natural airflow. This unit is frequently integrated into telecommunications base stations, precision medical instrumentation, and industrial automation power supplies requiring forced convection to maintain safe operating temperatures. The PSD1206PMBX-A.(2).B3420.F.GB ensures reliable thermal regulation in RAID arrays and network switches, preventing thermal throttling during intensive data processing cycles.

## Supplemental Images

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