

# PSD1206PTBX-A.(2).B3420.F.GN Sunon 12VDC 60x60x25mm Axial Fan Datasheet



**Brand:** SUNON

**SKU:** [842784428102](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$25.99**

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Product Page:

<https://www.equipspares.com/product/psd1206ptbx-a-2-b3420-f-gn-sunon-12vdc-60x60x25mm-axial-fan>

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## Product Description

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Sunon PSD1206PTBX-A.(2).B3420.F.GN is a 12VDC 60x60x25mm Axial Fan optimized for high-density thermal management in restricted airflow environments. This high-wattage DC fan utilizes a precision-engineered dual ball bearing architecture to minimize thermal impedance and ensure long-term structural rigidity under continuous operation. The aerodynamic impeller design is specifically tuned to deliver a massive 18W of power, translating into exceptional static pressure and airflow metrics required for overcoming high system resistance. With a rated current of 1.5A and high-speed rotation, this unit provides the necessary cooling capacity for mission-critical hardware where standard 60mm fans fail to meet the thermal load requirements.

Model Number: PSD1206PTBX-A.(2).B3420.F.GN

Brand: Sunon

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 1.5 A

Power: 18.0 W

Rated Speed: 12500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 52.5 CFM (89.2 m<sup>3</sup>/h)

Max. Static Pressure: 1.56 inH<sub>2</sub>O (388.5 Pa)

Dimensions: 60 x 60 x 25 mm

Weight: 90 g

Life Expectancy: 70000 Hours at 40°C

Noise Level: 60.0 dB(A)

Speed Control: PWM (Pulse Width Modulation)

Output Signal: Tachometer (Frequency Generator)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Termination: 4 Lead Wires

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Insulation Resistance: 10M ohm at 500 VDC

Protection Features: Auto Restart, Polarity Protection

Certifications: UL, CUR, TUV, CE

#### PSD1206PTBX-A.(2).B3420.F.GN Applications

1. 1U/2U Server Enclosures: The 18W power profile and high static pressure are engineered to overcome the extreme system impedance found in densely packed rackmount chassis.
2. High-Performance Replacement Fan: Ideal for upgrading stock cooling in ASIC miners or network switches where original components have succumbed to thermal fatigue.
3. Industrial Power Supplies: Provides concentrated forced-air cooling for high-wattage SMPS units requiring rapid heat dissipation within a compact 60mm footprint.
4. Telecommunications Base Stations: The dual ball bearing system ensures reliable vertical or horizontal mounting in ruggedized outdoor cabinets subject to temperature fluctuations.

## Supplemental Images

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