

# PSD1204PQBX-A.(2).B3433.F.P.GN SUNON 12VDC 40x40x28mm Axial Fan Datasheet



**Brand:** SUNON

**SKU:** [672401200013](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$16.99**

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

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

Product Page:

<https://www.equipspares.com/product/psd1204pqbx-a-2-b3433-f-p-gn-sunon-12vdc-40x40x28mm-axial-fan>

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## Product Description

The SUNON PSD1204PQBX-A.(2).B3433.F.P.GN is a high-performance DC axial fan engineered for critical thermal management in high-impedance electronic systems. Utilizing advanced Double Ball Bearing architecture, this unit ensures exceptional rotational stability and longevity, significantly reducing frictional heat generation compared to sleeve bearing alternatives. The 4.9W motor is designed with a specialized stator profile to deliver high torque at 12VDC, driving the impeller to achieve substantial static pressure capabilities. Constructed with a flame-retardant thermoplastic frame and impeller, the fan maintains structural rigidity under thermal stress, optimizing aerodynamic efficiency and minimizing vibration-induced noise in precision equipment.

Model Number: PSD1204PQBX-A.(2).B3433.F.P.GN

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.41 A

Power Consumption: 4.9 W

Rated Speed: 13000 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 23.5 CFM (39.9 m<sup>3</sup>/h)  
Max. Static Pressure: 1.15 inH<sub>2</sub>O (286 Pa)  
Dimensions: 40 x 40 x 28 mm  
Weight: 43 g  
Life Expectancy: 70,000 Hours at 40°C  
Noise Level: 51.5 dB(A)  
Speed Control: Tachometer Output (Frequency Generator)  
Wire Configuration: 3-Wire (Red +, Black -, Yellow Signal)  
Housing Material: Thermoplastic PBT (UL94V-0)  
Impeller Material: Thermoplastic PBT (UL94V-0)  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Dielectric Strength: 500 VAC for 1 Minute  
Insulation Resistance: 10 Megohms min at 500 VDC  
Safety Certifications: UL, CUR, TUV, CE

Designed for high-density electronic environments, the PSD1204PQBX-A.(2).B3433.F.P.GN excels in applications requiring significant static pressure to penetrate dense component layouts. Common deployments include 1U server rack cooling, telecommunications switching equipment, and precision industrial automation systems where space is constrained but airflow requirements are high. The PSD1204PQBX-A.(2).B3433.F.P.GN is also frequently utilized in compact power supply units and network appliances where reliable thermal dissipation is critical for continuous, maintenance-free operation.

## Supplemental Images

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