

PSD1206PMBX-A.(2).B2168.F.GN Sunon 12VDC 60x60x38mm 18W Axial Fan Datasheet



Brand: SUNON

SKU: 807623753203

Category: Axial & Centrifugal Fans

Price: \$18.99

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Product Description

The Sunon PSD1206PMBX-A.(2).B2168.F.GN is a high-performance Axial Fan engineered for mission-critical thermal management in high-impedance systems. Utilizing advanced DC brushless motor technology and a robust 2 Ball Bearing architecture, this unit ensures exceptional structural rigidity and prolonged operational lifespan under high-load conditions. The aerodynamic impeller design optimizes static pressure delivery, significantly reducing thermal impedance in dense electronic enclosures. Designed for precision cooling, it balances power density with reliability, making it an ideal solution for demanding industrial environments requiring sustained airflow and rapid heat dissipation.

Model Number: PSD1206PMBX-A.(2).B2168.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: 18.0 W

Rated Speed: 16000 RPM

Bearing Type: 2 Ball Bearing
Max. Air Flow: 62.5 CFM (106.2 m³/h / 1.77 m³/min)
Max. Static Pressure: 2.65 inH₂O (67.3 mmH₂O / 660 Pa)
Dimensions: 60 x 60 x 38 mm
Weight: 115 g
Life Expectancy: 70,000 Hours @ 40°C
Noise Level: 63.5 dBA
Output Signal: Frequency Generator (Tachometer/F-Type)
Ingress Protection: IP54 (Optional)
Insulation Class: Class A
Frame Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +70 °C
Termination: 3-Wire / 4-Wire Leads
Safety Approvals: UL, CUR, TUV, CE

This high-static pressure cooling solution is specifically engineered for high-density server racks, telecommunications base stations, and industrial automation equipment where back pressure is a critical factor. The PSD1206PMBX-A.(2).B2168.F.GN excels in forced convection applications, effectively managing heat in 1U and 2U chassis configurations. Additionally, the PSD1206PMBX-A.(2).B2168.F.GN is frequently utilized in power supply units and network switches, ensuring component stability by maintaining optimal operating temperatures in restricted airflow environments.

Supplemental Images

