

PSD1209PMB1-A.(2).B4939-1.F.GN SUNON 12VDC 90x90x38mm Fan Datasheet



Brand: SUNON

SKU: [656737410084](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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Product Page:

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Product Description

The SUNON PSD1209PMB1-A.(2).B4939-1.F.GN is a high-performance DC axial fan engineered for critical thermal management in high-impedance systems. Featuring a robust dual ball bearing architecture and advanced motor technology, this unit ensures exceptional structural rigidity and operational longevity under continuous load. The aerodynamic impeller design is optimized to deliver high static pressure, effectively overcoming resistance in dense electronic enclosures. With a power rating of 11.32W, this 4-wire cooling solution integrates precise speed control capabilities, allowing for dynamic thermal regulation. The fan is constructed with UL94V-0 rated materials, ensuring safety and reliability in demanding industrial environments.

Model Number: PSD1209PMB1-A.(2).B4939-1.F.GN

Brand: SUNON

Product Type: DC Axial Fan

Series: PSD (Power Motor)

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.94 A

Power Consumption: 11.32 W

Rated Speed: 4900 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 120.2 CFM (204.2 m³/h)
Max. Static Pressure: 0.58 inH₂O (144.5 Pa)
Dimensions: 90 x 90 x 38 mm
Weight: 190 g
Life Expectancy: 70,000 Hours at 40°C
Termination: 4-Wire Lead
Wire Assignment: Red (+), Black (-), Yellow (Tach/FG), Blue (PWM)
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Frequency Generator (Tachometer)
Noise Level: 57.6 dB(A)
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
Ingress Protection: IP Rating Available upon request
Safety Approvals: UL, CUR, TUV, CE
Direction of Rotation: Counter-clockwise viewed from front of fan blade

Designed for high-density server environments, the PSD1209PMB1-A.(2).B4939-1.F.GN ensures critical component stability in telecommunications infrastructure and industrial automation systems. This fan is frequently deployed in network switches, RAID arrays, and power supply units where backpressure is significant. The robust construction of the PSD1209PMB1-A.(2).B4939-1.F.GN also makes it suitable for forced-air cooling in medical instrumentation and CNC machinery control cabinets requiring reliable thermal dissipation.

Supplemental Images

