

# PSD1209PMB1-A.(2).B4508-4.F.GN Sunon 12VDC 92x92x38mm Axial Fan Datasheet



**Brand:** SUNON

**SKU:** 806338652441

**Category:** Axial & Centrifugal Fans

**Price:** **\$19.99**

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Product Page:

<https://www.equipspares.com/product/psd1209pmb1-a-2-b4508-4-f-gn-sunon-12vdc-92x92x38mm-axial-fan>

## Product Description

The Sunon PSD1209PMB1-A.(2).B4508-4.F.GN is a high-performance DC Axial Fan designed for critical thermal management in dense electronic enclosures. Engineered with Sunon's advanced motor technology and a precision Ball Bearing system, this unit delivers exceptional structural rigidity and longevity under continuous operation. The aerodynamic impeller design optimizes airflow while maintaining significant static pressure, making it ideal for overcoming high thermal impedance in restricted spaces. Featuring a 4-wire configuration with PWM speed control, it allows for dynamic thermal regulation, balancing cooling efficiency with acoustic performance.

Model Number: PSD1209PMB1-A.(2).B4508-4.F.GN

Brand: Sunon

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.87 A

Power: 10.44 W

Rated Speed: 4900 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 120.2 CFM (204.2 m<sup>3</sup>/h / 3.40 m<sup>3</sup>/min)

Max. Static Pressure: 14.73 mmH<sub>2</sub>O (144.5 Pa / 0.58 inH<sub>2</sub>O)

Dimensions: 92 x 92 x 38 mm

Weight: 190 g

Life Expectancy: 70,000 Hours @ 40°C

Termination: 4-Wire (Lead Wire)

Speed Control: PWM (Pulse Width Modulation)

Sensor: Tachometer Output (FG)

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Ingress Protection: IP54 (Optional)

Certifications: UL, CUR, TUV, CE

The PSD1209PMB1-A.(2).B4508-4.F.GN is specifically engineered for high-demand applications requiring reliable forced convection. It is frequently deployed in enterprise server racks, CPU cooling solutions, and telecommunications equipment where sustained airflow is critical. The robust design of the PSD1209PMB1-A.(2).B4508-4.F.GN also makes it suitable for industrial automation systems, power supply units, and medical instrumentation that demand precise thermal regulation and fault-tolerant operation.

## Supplemental Images

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