

PMD1209PLV2-A.B2400.F.GN Sunon 12VDC 92x92x32mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: [670090680081](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/pmd1209plv2-a-b2400-f-gn-sunon-12vdc-92x92x32mm-maglev-axial-fan>

Product Description

The Sunon PMD1209PLV2-A.B2400.F.GN is a high-performance DC Axial Fan engineered for demanding thermal management applications requiring substantial airflow and static pressure. Built upon Sunon's proprietary MagLev (Magnetic Levitation) Vapo Bearing technology, this unit eliminates direct physical contact between the shaft and bearing, resulting in significantly reduced friction, lower noise levels, and extended operational lifespan compared to traditional ball bearing designs. The 92mm thermoplastic frame is designed for structural rigidity, housing an aerodynamically optimized impeller that minimizes turbulence while maximizing air delivery. With a robust power rating of 4.7W, this fan ensures efficient heat dissipation and low thermal impedance, making it a critical component for maintaining system stability in high-density electronic environments.

Model Number: PMD1209PLV2-A.B2400.F.GN

Brand: Sunon

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.39 A

Power Consumption: 4.7 W

Rated Speed: 4200 RPM

Bearing Type: MagLev Vapo Bearing

Max. Air Flow: 75.0 CFM (127.4 m³/h / 2.12 m³/min)

Max. Static Pressure: 0.35 inH₂O (8.89 mmH₂O / 87.18 Pa)

Dimensions: 92x92x32mm

Weight: 190 g

Life Expectancy: 70,000 Hours @ 40°C

Speed Control: Frequency Generator (Tachometer/F Type)

Noise Level: 43.0 dB(A)

Frame Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP5X (Dust Protected)

Insulation Class: Class A

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: 3-Wire Leads (Red +, Black -, Yellow/White Signal)

Certifications: UL, CUR, TUV, CE, RoHS

Protection: Auto Restart / Polarity Protection

The PMD1209PLV2-A.B2400.F.GN is widely utilized in mission-critical hardware such as Dell server chassis replacements, telecommunications racks, and industrial automation power supplies. Its ability to deliver high static pressure makes the PMD1209PLV2-A.B2400.F.GN particularly effective in forcing air through restricted spaces, dense heatsinks, and filtration units found in medical devices and CNC machinery, ensuring reliable continuous operation.

Supplemental Images

