

PMD1204PKB3 SUNON 12VDC 40x40x20mm 2.6W 3-Wire Axial Fan Datasheet



Brand: SUNON

SKU: [726326053751](#)

Category: Axial & Centrifugal Fans

Price: **\$7.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/pmd1204pkb3-sunon-12vdc-40x40x20mm-2-6w-3-wire-axial-fan>

Product Description

The SUNON PMD1204PKB3-A.(2).GN is a compact DC Axial Fan engineered for high-density thermal management applications requiring robust airflow in restricted spaces. Utilizing advanced motor technology and a durable 2-Ball bearing architecture, this unit ensures sustained operational stability under continuous loads and varying environmental conditions. The aerodynamic impeller design optimizes airflow while maintaining structural rigidity, effectively reducing thermal impedance. Designed with a 3-wire configuration featuring a frequency generator (tachometer) signal, it allows for precise speed monitoring and integration into intelligent cooling systems requiring active feedback mechanisms.

Model Number: PMD1204PKB3-A.(2).GN

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Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.22 A

Power: 2.6W

Rated Speed: 8000 RPM

Bearing Type: 2-Ball Bearing

Max. Air Flow: 10.8 CFM (18.3 m³/h / 0.30 m³/min)

Max. Static Pressure: 0.28 inH₂O (69.7 Pa / 7.11 mmH₂O)

Dimensions: 40 x 40 x 20 mm

Weight: 33 g

Life Expectancy: 70,000 Hours @ 40°C

Termination: 3-Wire (Lead Wire)

Wire Function: Red (+), Black (-), Yellow (F/Tachometer)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP5X (Dust Protected)

Safety Certifications: UL, CUR, TUV

This high-performance cooling solution is specifically calibrated for deployment in compact electronic assemblies such as 1U server racks, telecommunications switches, and industrial automation control panels. The PMD1204PKB3-A.(2).GN excels in environments where space is limited but thermal loads are significant, ensuring critical components remain within safe operating temperatures. Additionally, the PMD1204PKB3-A.(2).GN is frequently utilized in medical instrumentation and network routers where reliable, long-term air movement is mandatory for system integrity.

Supplemental Images

