

PMD2404PKB3-A.(2).B4422.GN SUNON 24VDC 40x40x20mm Axial Fan Datasheet



Brand: SUNON

SKU: 989384457365

Category: Axial & Centrifugal Fans

Price: \$11.99

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Product Page:

<https://www.equipspares.com/product/pmd2404pkb3-a-2-b4422-gn-sunon-24vdc-40x40x20mm-axial-fan>

Product Description

The SUNON PMD2404PKB3-A.(2).B4422.GN is a precision-engineered DC Axial Fan designed for high-density thermal management applications. Utilizing advanced brushless DC motor technology combined with a robust Double Ball Bearing system, this unit ensures minimal friction and extended operational longevity under continuous load. The 40x40x20mm frame features an optimized impeller geometry that maximizes static pressure while maintaining low thermal impedance. With a 4-wire configuration, it supports precise speed modulation, enhancing energy efficiency and acoustic performance. The structural rigidity of the thermoplastic housing meets UL94V-0 standards, making it suitable for critical industrial environments requiring reliable airflow and superior heat dissipation.

Model Number: PMD2404PKB3-A.(2).B4422.GN

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Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 10.0 - 27.6 VDC

Rated Current: 0.083 A

Power: 2.0 W

Rated Speed: 8200 RPM

Bearing Type: Double Ball Bearing

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

Max. Static Pressure: 0.35 inH₂O (8.89 mmH₂O / 87.1 Pa)

Dimensions: 40 x 40 x 20 mm

Weight: 33 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 36.0 dBA

Termination: 2-Wire (Lead Wire)

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 Class Available on Request

Safety Certifications: UL, CUR, TUV

This high-static pressure cooling solution is specifically engineered for compact electronic assemblies where space is constrained but thermal loads are significant. The PMD2404PKB3-A.(2).B4422.GN is frequently integrated into 1U server rack power supplies, network switches, and industrial automation controllers. Its durable construction allows the PMD2404PKB3-A.(2).B4422.GN to operate reliably in CNC machinery control panels and medical instrumentation, ensuring critical components remain within safe operating temperature ranges to prevent thermal throttling or failure.

Supplemental Images

