

# PM2404PBB2-A.(2).B4505.GN.I21 Sunon 24VDC 40x40x28mm Fan Datasheet



**Brand:** SUNON

**SKU:** 987097647126

**Category:** Axial & Centrifugal Fans

**Price:** **\$34.99**

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Product Page:

<https://www.equipspares.com/product/pm2404pbb2-a-2-b4505-gn-i21-sunon-24vdc-40x40x28mm-fan>

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## Product Description

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The Sunon PM2404PBB2-A.(2).B4505.GN.I21 is a high-performance DC axial fan engineered for critical thermal management in compact industrial enclosures. Utilizing advanced brushless DC motor technology coupled with a precision ball bearing architecture, this unit delivers exceptional airflow relative to its compact 40mm footprint. The design minimizes thermal impedance while maintaining structural rigidity under high-speed operation, characterized by its robust 6.0W power rating. The impeller geometry is optimized for aerodynamic efficiency, ensuring sustained static pressure in high-resistance environments such as server racks and variable frequency drive inverters. This unit is constructed with durable thermoplastic materials to withstand rigorous continuous operation.

Model Number: PM2404PBB2-A.(2).B4505.GN.I21

Brand: Sunon

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 10.0 - 27.6 VDC

Power Input: 6.0W

Rated Current: 0.25 A

Rated Speed: 13000 RPM (Reference)

Bearing Type: Precision Ball Bearing

Max. Air Flow: 24.0 CFM (40.77 m<sup>3</sup>/h / 0.68 m<sup>3</sup>/min)

Max. Static Pressure: 20.32 mmH<sub>2</sub>O (199.2 Pa / 0.80 inH<sub>2</sub>O)

Dimensions: 40x40x28mm

Weight: 41.0 g

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP5X (Dust Protected)

Noise Level: 54.0 dB(A)

Termination: 2-Wire Lead (Red +, Black -)

Wire Length: ~200mm

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Motor Protection: Impedance Protected; Reverse Polarity Protection

Mounting Orientation: Any

This high-static pressure cooling solution is specifically calibrated for dense electronic assemblies requiring forced air convection. The PM2404PBB2-A.(2).B4505.GN.I21 excels in cooling variable frequency drive (VFD) inverters and industrial automation chassis where space is constrained but heat dissipation demands are high. Additionally, the PM2404PBB2-A.(2).B4505.GN.I21 is frequently deployed in rack-mount server power supplies and telecommunication switching equipment, ensuring component longevity by effectively overcoming system impedance.

## Supplemental Images

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