

# KD1212PTB1-6A SUNON 12VDC 120mm 4.8W Axial Fan Datasheet



**Brand:** SUNON

**SKU:** [930411452573](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$14.99**

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Product Page: <https://www.equipspares.com/product/kd1212ptb1-6a-sunon-12vdc-120mm-4-8w-axial-fan>

## Product Description

The SUNON KD1212PTB1-6A is a precision-engineered DC axial fan designed for critical thermal management in industrial and computing environments. Utilizing advanced brushless DC motor technology and a robust double ball bearing architecture, this unit ensures exceptional longevity and structural rigidity under continuous operation. The aerodynamic impeller design optimizes airflow efficiency while minimizing turbulence, resulting in a favorable ratio of static pressure to noise. With a power rating of 4.8W, the KD1212PTB1-6A effectively mitigates thermal impedance in high-density enclosures, maintaining system stability through reliable forced convection cooling.

Model Number: KD1212PTB1-6A

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.40 A

Power Consumption: 4.8 W

Rated Speed: 3100 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 90.0 CFM (152.9 m<sup>3</sup>/h / 2.55 m<sup>3</sup>/min)

Max. Static Pressure: 0.28 inH<sub>2</sub>O (69.7 Pa / 7.11 mmH<sub>2</sub>O)

Dimensions: 120 x 120 x 25 mm

Weight: 200 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 44.5 dB(A)

Frame Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Termination: 2-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Safety Certifications: UL, CUR, TUV

Motor Protection: Impedance Protected; Reverse Polarity Protection

This cooling solution is specifically calibrated for integration into server racks, telecommunications cabinets, and industrial automation enclosures. The KD1212PTB1-6A provides the necessary airflow to dissipate heat from power supplies and sensitive electronic components within confined chassis spaces. By installing the KD1212PTB1-6A, operators ensure consistent thermal regulation in CNC machinery and network switchgear, preventing overheating-induced failures in mission-critical hardware.

## Supplemental Images

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