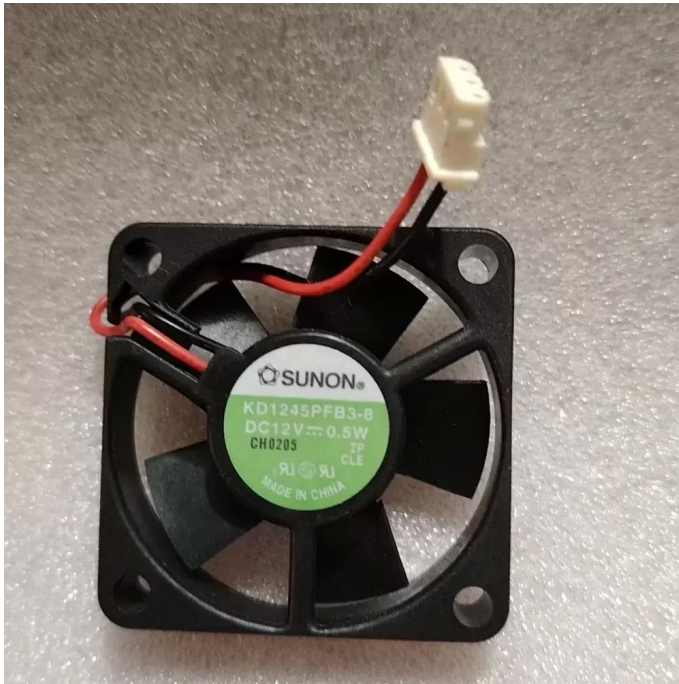


# KD1245PFB4-8 SUNON 12VDC 45x45x10mm 0.5W Axial Fan Datasheet



**Brand:** SUNON

**SKU:** [828341644736](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$9.99**

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**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/kd1245pfb4-8-sunon-12vdc-45x45x10mm-0-5w-axial-fan>

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## Product Description

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The SUNON KD1245PFB4-8 is a DC Axial Fan engineered for precision thermal management in compact electronic assemblies. Utilizing advanced DC brushless motor technology, this unit delivers consistent airflow while maintaining exceptional energy efficiency with a power consumption of only 0.5W. The construction features a durable thermoplastic frame and impeller, optimized to ensure structural rigidity and minimize vibration during operation. Its aerodynamic blade design significantly reduces turbulence, resulting in a favorable noise-to-airflow ratio suitable for quiet environments. Designed with a robust ball bearing architecture, the fan ensures long-term reliability, extended service life, and reduced thermal impedance, making it an ideal solution for restricted spaces requiring continuous cooling performance.

Model Number: KD1245PFB4-8

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Power Consumption: 0.5 W

Rated Current: 0.042 A

Rated Speed: 4500 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 6.5 CFM (11.04 m<sup>3</sup>/h / 0.18 m<sup>3</sup>/min)  
Max. Static Pressure: 0.11 inH<sub>2</sub>O (27.4 Pa / 2.79 mmH<sub>2</sub>O)  
Dimensions: 45 x 45 x 10 mm  
Weight: 19.5 g  
Life Expectancy: 50,000 Hours at 40°C  
Noise Level: 24.5 dBA  
Termination: 2-Wire Lead  
Housing Material: PBT Thermoplastic (UL94V-0)  
Blade Material: PBT Thermoplastic (UL94V-0)  
Operating Temperature: -10 to +70 °C  
Storage Temperature: -40 to +70 °C  
Ingress Protection: IP20  
Insulation Class: Class A  
Motor Protection: Impedance Protected  
Mounting Orientation: Any

The KD1245PFB4-8 is specifically designed for integration into compact electronic devices where space is at a premium but reliable cooling is mandatory. Common deployment scenarios include chipset cooling in networking switches, ventilation for DVR/NVR security systems, and thermal regulation in portable medical instrumentation. The KD1245PFB4-8 ensures critical components remain within safe operating temperatures, preventing thermal throttling in dense circuit board layouts and small form-factor enclosures.

## Supplemental Images

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