

KDE1205PFB1-8 SUNON 12VDC 50x50x10mm Silent Axial Fan Datasheet



Brand: SUNON

SKU: [976823865316](#)

Category: Axial & Centrifugal Fans

Price: **\$15.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/kde1205pfb1-8-sunon-12vdc-50x50x10mm-silent-axial-fan>

Product Description

The SUNON KDE1205PFB1-8 is a compact DC axial fan engineered for precision thermal management in space-constrained industrial environments. Utilizing advanced brushless DC motor technology, this unit minimizes thermal impedance while maintaining structural rigidity through its reinforced PBT thermoplastic housing. The dual ball bearing architecture ensures long-term rotational stability and reduced friction, critical for continuous operation. Its aerodynamic impeller design is optimized for laminar airflow, providing efficient heat dissipation for sensitive electronic components. This fan integrates seamlessly into systems requiring reliable cooling with minimal power consumption, reflecting Sunon's commitment to high-density engineering and acoustic optimization in small-form-factor cooling solutions.

Model Number: KDE1205PFB1-8

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.075 A

Power: 0.9 W

Rated Speed: 5000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 11.0 CFM (18.7 m³/h / 0.31 m³/min)
Max. Static Pressure: 3.30 mmH₂O (32.36 Pa / 0.13 inH₂O)
Dimensions: 50 x 50 x 10 mm
Weight: 20 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 30.0 dB(A)
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Termination: 2 Lead Wires (26 AWG)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Insulation Class: Class A
Protection Features: Auto Restart, Polarity Protection
Certifications: UL, CUR, TUV, CE

The KDE1205PFB1-8 is primarily utilized in compact computing systems and power supply units where vertical clearance is limited. Its slim profile makes the KDE1205PFB1-8 an ideal choice for cooling internal components in network switches, micro-servers, and medical diagnostic equipment. Additionally, it is frequently integrated into CNC control panels and telecommunications hardware to prevent localized hotspots and ensure system longevity.

Supplemental Images

