

KDE2405PFB1-8.GN SUNON 24VDC 50x50x10mm Silent Axial Fan Datasheet



Brand: SUNON

SKU: [758128822356](#)

Category: Axial & Centrifugal Fans

Price: **\$11.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/kde2405pfb1-8-gn-sunon-24vdc-50x50x10mm-silent-axial-fan>

Product Description

The SUNON KDE2405PFB1-8.GN is a precision-engineered DC axial fan designed for high-reliability thermal management in compact electronic enclosures. Utilizing SUNON's advanced motor technology, this unit minimizes thermal impedance while maintaining structural rigidity through its thermoplastic PBT housing. The aerodynamic blade curvature is optimized to deliver consistent airflow with reduced turbulence, ensuring efficient heat dissipation in sensitive equipment. Featuring a robust bearing architecture, this model ensures longevity and stable operation under continuous loads. This 24VDC cooling solution balances a power consumption of 1.0W with effective static pressure capabilities, making it an ideal component for industrial applications requiring sustained performance.

Model Number: KDE2405PFB1-8.GN

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 10.0 - 27.6 VDC

Rated Current: 0.042 A

Power: 1.0 W

Rated Speed: 5800 RPM

Bearing Type: Precision Ball Bearing

Max. Air Flow: 11.0 CFM (18.7 m³/h / 0.31 m³/min)
Max. Static Pressure: 3.05 mmH₂O (29.9 Pa / 0.12 inH₂O)
Dimensions: 50 x 50 x 10 mm
Weight: 20 g
Life Expectancy: 70,000 Hours @ 40°C
Noise Level: 26 dBA
Housing Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Termination: 2 Lead Wires (UL1007, 26AWG)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Safety Certifications: UL, CUR, TUV

Designed for critical thermal regulation, the KDE2405PFB1-8.GN is frequently integrated into variable frequency drives (VFDs) and industrial inverters, such as Siemens systems, where consistent airflow is paramount for component longevity. Its compact 10mm profile allows for installation in space-constrained server racks, telecommunications equipment, and precision medical devices. The KDE2405PFB1-8.GN also serves effectively in network switches and power supply units, providing reliable cooling to prevent thermal throttling in continuous-duty environments.

Supplemental Images

