KDE1205PFV2.11.MS.A.GN SUNON 12VDC 50x50x10mm MagLev Axial Fan Datasheet

Brand: SUNON

SKU: 991221041042

Category: Axial & Centrifugal Fans

Price: **$12.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/kde1205pfv2-11-ms-a-gn-sunon-12vdc-50x50x10mm-maglev-axial-fan

Product Description

The SUNON KDE1205PFV2.11.MS.A.GN is a precision-engineered DC Axial Fan designed for applications requiring reliable thermal management within a compact footprint. Utilizing SUNON's proprietary MagLev (Magnetic Levitation) Vapo bearing technology, this unit eliminates physical contact between the shaft and bearing during operation, significantly reducing friction, vibration, and noise while enhancing structural rigidity. The rotor design is optimized for aerodynamic efficiency, delivering consistent airflow with minimal thermal impedance. Constructed with durable thermoplastic PBT (UL94V-0), the fan ensures operational stability under continuous load, making it an ideal solution for systems demanding high mean time between failures (MTBF) and superior acoustic performance.

Model Number: KDE1205PFV2.11.MS.A.GN
Brand: SUNON
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 4.5 - 13.8 VDC
Rated Current: 0.092 A
Power Consumption: 1.1 W
Rated Speed: 4300 RPM

Bearing Type: MagLev Vapo Bearing
Max. Air Flow: 11.0 CFM (18.7 m^3/h / 0.31 m^3/min)
Max. Static Pressure: 2.79 mmH_2O (27.4 Pa / 0.11 inH_2O)
Dimensions: 50 x 50 x 10 mm
Weight: 20 g
Life Expectancy: 60,000 Hours at 40°C
Noise Level: 26 dBA
Frame Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Ingress Protection: IP5X (Dust Protected)
Insulation Class: Class A
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Termination: 2-Wire Leads (Red +, Black -)
Wire Gauge: 26 AWG
Mounting Orientation: Any
Motor Protection: Impedance Protected
Safety Certifications: UL, CUR, TUV, CE

This cooling solution is engineered for diverse industrial and consumer electronics environments where space is at a premium but airflow cannot be compromised. Common deployments include chipset cooling in server blades, ventilation for compact power supplies, and thermal regulation in projector systems or network switches. The KDE1205PFV2.11.MS.A.GN excels in maintaining optimal operating temperatures for sensitive components, preventing thermal throttling in embedded systems. Integrators frequently select the KDE1205PFV2.11.MS.A.GN for medical instrumentation and telecommunications equipment due to its balance of longevity and acoustic discretion.

Supplemental Images


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KDE1205PFV2
11.MS.A.GN
DC12V 1.1W
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MADE IN CHINA