

KDE1205PHV2.11.MS.B1175.A.GM SUNON 12VDC 50x50x15mm Axial Fan Datasheet



Brand: SUNON

SKU: [990217676629](#)

Category: Axial & Centrifugal Fans

Price: **\$13.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/kde1205phv2-11-ms-b1175-a-gm-sunon-12vdc-50x50x15mm-axial-fan>

Product Description

The SUNON KDE1205PHV2.11.MS.B1175.A.GM is a precision-engineered Axial Fan designed for high-reliability thermal management applications. Utilizing SUNON's proprietary Magnetic Levitation (MagLev) motor technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction and noise while extending operational lifespan. The 50x50x15mm frame houses an optimized impeller geometry that balances airflow against static pressure, ensuring efficient heat dissipation. With a rated voltage of 12VDC and a power consumption of 1.0W, it offers superior thermal impedance characteristics and structural rigidity, making it suitable for continuous duty cycles in demanding electronic environments.

Model Number: KDE1205PHV2.11.MS.B1175.A.GM

Brand: SUNON

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Power Consumption: 1.0W

Rated Current: 0.083 A

Rated Speed: 5800 RPM

Bearing Type: MagLev (Vapo Bearing)

Max. Air Flow: 17.0 CFM (28.8 m³/h / 0.48 m³/min)
Max. Static Pressure: 0.23 inH₂O (5.8 mmH₂O / 57.2 Pa)
Dimensions: 50 x 50 x 15 mm
Weight: 39 g
Life Expectancy: 60,000 Hours at 40°C
Noise Level: 31.0 dBA
Frame Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Termination: 2-Wire (Red +, Black -)
Wire Gauge: 26 AWG
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP Class Optional
Motor Protection: Impedance Protected
Dielectric Strength: 500 VAC for 1 Minute
Insulation Resistance: 10 Megohms min at 500 VDC
Certifications: UL, CUR, TUV, CE

This cooling solution is specifically engineered for compact electronic assemblies requiring consistent airflow. The KDE1205PHV2.11.MS.B1175.A.GM is frequently integrated into network switches, small form-factor power supplies, and industrial automation controllers where space is at a premium. Additionally, the KDE1205PHV2.11.MS.B1175.A.GM serves as a critical component in medical instrumentation and projection equipment, ensuring sensitive components remain within safe thermal operating limits during prolonged operation.

Supplemental Images

