KDE1206PHV2.MS.A.GN Sunon 12VDC 60x60x15mm MagLev Axial Fan Datasheet

Brand: SUNON

SKU: 684497872377

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/kde1206phv2-ms-a-gn-sunon-12vdc-60x60x15mm-maglev-axial-fan

Product Description

The Sunon KDE1206PHV2.MS.A.GN is a precision-engineered DC Axial Fan designed for high-reliability thermal management applications. Utilizing Sunon's proprietary MagLev (Magnetic Levitation) motor technology, this unit eliminates physical contact between the shaft and bearing during operation, significantly reducing friction and noise while extending operational lifespan. The rotor is housed within a reinforced thermoplastic PBT frame, ensuring structural rigidity and optimal aerodynamic performance under varying thermal loads. This 60mm cooling solution offers a balanced profile of static pressure and airflow, characterized by low thermal impedance and exceptional stability, making it suitable for continuous duty cycles in demanding industrial environments.

Model Number: KDE1206PHV2.MS.A.GN
Brand: Sunon
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 4.5 - 13.8 VDC
Rated Current: 0.083 A
Power: 1.0 W
Rated Speed: 3800 RPM
Bearing Type: MagLev (Vapo Bearing)

Max. Air Flow: 21.0 CFM (35.68 m^3/h / 0.59 m^3/min)
Max. Static Pressure: 3.56 mmH_2O (34.91 Pa / 0.14 inH_2O)
Dimensions: 60x60x15mm
Weight: 42.0 g
Life Expectancy: 60,000 Hours at 40°C
Noise Level: 32.0 dBA
Frame Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Termination: 2-Wire Lead (Red +, Black -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Insulation Class: Class A
Ingress Protection: IP5X (Dust Protected)
Safety Certifications: UL, CUR, TUV, CE
Motor Protection: Impedance Protected, Reverse Polarity Protection

This cooling component is widely utilized in compact electronic assemblies requiring consistent airflow, such as network switches, industrial power supply units, and small-form-factor server chassis. The KDE1206PHV2.MS.A.GN excels in maintaining optimal operating temperatures for sensitive semiconductors and telecommunications equipment. Integrators frequently select the KDE1206PHV2.MS.A.GN for automation control panels and medical instrumentation where long-term reliability and acoustic performance are critical design constraints.

Supplemental Images