KDE1205PHV2.MS.B1648.F.GN SUNON 12VDC 50x50x15mm Axial Fan Datasheet

Brand: SUNON

SKU: 819259708113

Category: Axial & Centrifugal Fans

Price: **$14.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/kde1205phv2-ms-b1648-f-gn-sunon-12vdc-50x50x15mm-axial-fan

Product Description

The SUNON KDE1205PHV2.MS.B1648.F.GN is a precision-engineered Axial Fan designed for applications requiring minimal acoustic resonance and high reliability. Utilizing Sunon's proprietary Magnetic Levitation (MagLev) motor technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction and thermal impedance while extending operational lifespan. The 50mm frame houses an aerodynamically optimized impeller that delivers consistent airflow at a low rotational speed of 2400 RPM. Engineered with a 3-wire tachometer output, it allows for real-time speed monitoring, ensuring optimal thermal management within compact electronic enclosures.

Model Number: KDE1205PHV2.MS.B1648.F.GN
Brand: SUNON
Product Type: Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.04 A
Power Consumption: 0.48 W
Rated Speed: 2400 RPM
Bearing Type: MagLev (Magnetic Levitation System)
Max. Air Flow: 7.5 CFM (Estimated @ 2400 RPM)

Max. Static Pressure: 0.09 inH2O (Estimated)
Dimensions: 50 x 50 x 15 mm
Noise Level: Ultra-Low (Silent Profile)
Termination: 3-Wire Lead with 3-Pin Connector
Wire Length: 70 mm
Output Signal: Frequency Generator (Tachometer/Speed Sensor)
Wire Assignment: Red (+), Black (-), Yellow (Signal)
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Mounting Orientation: Any

The KDE1205PHV2.MS.B1648.F.GN is specifically engineered for noise-sensitive electronic environments, making it an ideal solution for motherboard chipset cooling and compact chassis ventilation. Its low-decibel operation allows the KDE1205PHV2.MS.B1648.F.GN to be integrated into home theater PCs, medical instrumentation, and small-form-factor industrial devices where acoustic neutrality is as critical as thermal dissipation.

Supplemental Images