KDE1204PFV1.11.MS.A.GN SUNON 12VDC 40x40x20mm MagLev Axial Fan Datasheet

Brand: SUNON

SKU: 991811676602

Category: Axial & Centrifugal Fans

Price: **$15.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/kde1204pfv1-11-ms-a-gn-sunon-12vdc-40x40x20mm-maglev-axial-fan

Product Description

The SUNON KDE1204PFV1.11.MS.A.GN is a compact DC axial fan engineered for precision thermal management in space-constrained environments. Utilizing SUNON's proprietary Magnetic Levitation (MagLev) Vapo bearing system, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction, noise, and vibration while extending operational lifespan. The aerodynamic blade design optimizes airflow efficiency to lower thermal impedance within high-density enclosures. Constructed with high-grade PBT materials to ensure structural rigidity, this 12VDC cooling solution delivers reliable performance for critical electronic components requiring consistent heat dissipation and long-term durability.

Model Number: KDE1204PFV1.11.MS.A.GN
Brand: SUNON
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 4.5 - 13.8 VDC
Power Consumption: 1.1 W
Rated Current: 0.09 A
Rated Speed: 5800 RPM
Bearing Type: MagLev (Vapo Bearing)

Max. Air Flow: 7.7 CFM (13.08 m^3/h / 0.21 m^3/min)
Max. Static Pressure: 4.83 mmH_2O (47.3 Pa / 0.19 inH_2O)
Dimensions: 40 x 40 x 20 mm
Weight: 31 g
Noise Level: 27 dBA
Life Expectancy: 60,000 Hours at 40°C
Termination: 2-Wire (Red +, Black -)
Frame Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: N/A
Insulation Class: Class E
Safety Certifications: UL, CUR, TUV
Motor Protection: Impedance Protected
Direction of Rotation: Counter-clockwise viewed from front of fan blade

Designed for versatility, the KDE1204PFV1.11.MS.A.GN is frequently integrated into compact computing systems, including specialized CPU coolers and server rack modules. Its magnetic levitation technology makes the KDE1204PFV1.11.MS.A.GN particularly suitable for telecommunication equipment and network switches where long-term reliability and low acoustic noise are paramount. Additionally, this model serves effectively in industrial automation controls and medical instrumentation requiring stable thermal regulation.

Supplemental Images


SUNON
MagLev
KDE1204PFV1
11.MS.A.GN
DC12V 1.1W
ZP
CLX
F1541Z
MADE IN CHINA