

KDE1204PKV3.MS.M.GN SUNON 12VDC 40x40x20mm Axial Fan Datasheet



Brand: SUNON

SKU: [751188813632](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/kde1204pkv3-ms-m-gn-sunon-12vdc-40x40x20mm-axial-fan>

Product Description

The SUNON KDE1204PKV3.MS.M.GN is a DC Axial Fan engineered for precision thermal management in space-constrained environments. Utilizing the proprietary MagLev (Magnetic Levitation) motor technology, this unit minimizes friction and vibration, significantly reducing thermal impedance while enhancing structural rigidity. The Vapo bearing architecture ensures long-term stability and ultra-quiet operation, making it ideal for sensitive electronic cooling. Its aerodynamic impeller design is optimized for consistent laminar airflow, providing reliable heat dissipation for low-power components. This 40mm fan integrates advanced electromagnetic commutation to maintain high efficiency and operational longevity in demanding industrial and consumer applications.

Model Number: KDE1204PKV3.MS.M.GN

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Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.05 A

Power: 0.6 W

Rated Speed: 5500 RPM

Bearing Type: MagLev Vapo Bearing

Max. Air Flow: 6.3 CFM (10.7 m³/h / 0.18 m³/min)

Max. Static Pressure: 2.79 mmH₂O (27.36 Pa / 0.11 inH₂O)

Dimensions: 40x40x20mm

Weight: 31 g

Life Expectancy: 60,000 Hours at 40C

Noise Level: 15.5 dBA

Speed Control: Tachometer (FG Signal)

Termination: 3 Lead Wires

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Insulation Class: Class A

Operating Temperature: -10 to +70 C

Storage Temperature: -40 to +70 C

Protection Features: Auto Restart, Polarity Protection

Certifications: UL, CUR, TUV, CE

The KDE1204PKV3.MS.M.GN is specifically designed for integration into compact networking equipment, medical diagnostic tools, and high-end audio-visual systems where silent operation is critical. In server rack environments, the KDE1204PKV3.MS.M.GN provides localized cooling for microprocessors and power supply units without contributing significant acoustic noise. Its robust MagLev system makes it suitable for 24/7 operation in telecommunications hubs and industrial control panels.

Supplemental Images

