

KDE1207PHV.11.MS.B2951.AR.GN Sunon 12VDC 70x70x15mm DC Fan Datasheet



Brand: SUNON

SKU: [655146911719](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/kde1207phv-11-ms-b2951-ar-gn-sunon-12vdc-70x70x15mm-dc-fan>

Product Description

The Sunon KDE1207PHV.11.MS.B2951.AR.GN is a precision-engineered DC Axial Fan designed for high-reliability thermal management in compact electronic assemblies. Utilizing Sunon's proprietary MagLev (Magnetic Levitation) Vapo bearing technology, this unit eliminates physical contact between the rotor and shaft, significantly reducing friction and noise while optimizing thermal impedance and extending operational lifespan. The 70mm thermoplastic frame offers superior structural rigidity, housing an aerodynamic impeller that delivers consistent airflow against system resistance. Rated at 12VDC with a power consumption of 2.9W, this model features an integrated Alarm Signal (Rotation Detector) for critical system monitoring, ensuring operational stability in demanding industrial environments.

Model Number: KDE1207PHV.11.MS.B2951.AR.GN

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Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Power Input: 2.9W

Rated Current: 0.24 A

Rated Speed: 4100 RPM

Bearing Type: MagLev Vapo Bearing

Max. Air Flow: 40.0 CFM (67.96 m³/h / 1.13 m³/min)

Max. Static Pressure: 0.18 inH₂O (4.57 mmH₂O / 44.8 Pa)

Dimensions: 70x70x15mm

Weight: 45 g

Noise Level: 36 dBA

Life Expectancy: 60,000 Hours at 40°C

Termination: 3-Wire (Lead Wires)

Output Signal: Alarm Signal (AR/Rotation Detector)

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: IP20

Insulation Class: Class A

Safety Certifications: UL, CUR, TUV, CE

Mounting Orientation: Any

This cooling solution is engineered for restricted-space applications requiring reliable heat dissipation, such as rack-mounted servers, telecommunications power supplies, and compact industrial automation enclosures. The KDE1207PHV.11.MS.B2951.AR.GN provides essential airflow to maintain optimal operating temperatures for sensitive electronic components where vertical clearance is limited. Integrators frequently select the KDE1207PHV.11.MS.B2951.AR.GN for its robust MagLev construction and alarm feedback capability, which allows for proactive maintenance scheduling in mission-critical CNC machinery and medical instrumentation.

Supplemental Images

