

MF60251V1-1000C-A99 SUNON 12VDC 60x60x25mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: 975058741629

Category: Axial & Centrifugal Fans

Price: \$15.99

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Product Page:

<https://www.equipspares.com/product/mf60251v1-1000c-a99-sunon-12vdc-60x60x25mm-maglev-axial-fan>

Product Description

The SUNON MF60251V1-1000C-A99 is a DC Axial Fan engineered for precision thermal management in compact electronic assemblies. Utilizing SUNON's proprietary MagLev motor technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction and noise while extending operational lifespan. The aerodynamic impeller design optimizes airflow efficiency, ensuring low thermal impedance even in restricted spaces. Constructed with high-grade materials for structural rigidity, this 60mm cooling solution delivers reliable performance under continuous operation, making it an ideal choice for systems requiring stable and quiet heat dissipation.

Model Number: MF60251V1-1000C-A99

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Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Power: 0.96 W

Rated Current: 0.08 A

Rated Speed: 4500 RPM

Bearing Type: MagLev (Vapo Bearing)

Max. Air Flow: 23.5 CFM (39.9 m³/h / 0.66 m³/min)

Max. Static Pressure: 5.33 mmH₂O (52.2 Pa / 0.21 inH₂O)

Dimensions: 60x60x25 mm

Noise Level: 33.5 dB(A)

Termination: 2-Wire Lead

Weight: 45 g

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Life Expectancy: 70,000 Hours at 40°C

Ingress Protection: N/A

Safety Certifications: UL, CUR, TUV

The MF60251V1-1000C-A99 is specifically designed for integration into high-density electronic environments such as server racks, network switches, and industrial automation control panels. Its compact form factor and magnetic levitation system make the MF60251V1-1000C-A99 suitable for medical instrumentation and telecommunications equipment where acoustic noise levels must be minimized without compromising airflow. Additionally, this model serves effectively in power supply units and small-scale CNC machinery requiring consistent thermal regulation.

Supplemental Images

