

MF60151VX-1000C-A99 SUNON 12VDC 60x60x15mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: 918460474859

Category: Axial & Centrifugal Fans

Price: \$11.99

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Product Page:

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Product Description

The SUNON MF60151VX-1000C-A99 is a DC Axial Fan engineered for high-reliability industrial thermal management applications. Utilizing SUNON's proprietary MagLev (Magnetic Levitation) Vapo bearing technology, this unit eliminates physical contact between the shaft and bearing during operation, significantly reducing friction and acoustic noise while enhancing structural rigidity. The aerodynamic impeller design optimizes airflow dynamics to lower thermal impedance within dense electronic enclosures. Built with precision-molded thermoplastic PBT components, the fan ensures consistent performance and durability under continuous operation loads.

Model Number: MF60151VX-1000C-A99

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Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.19 A

Power: 2.28 W

Rated Speed: 5400 RPM

Bearing Type: MagLev (Vapo)

Max. Air Flow: 25.2 CFM (42.8 m³/h / 0.71 m³/min)

Max. Static Pressure: 3.81 mmH₂O (37.36 Pa / 0.15 inH₂O)

Dimensions: 60x60x15mm

Weight: 31.0 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 36.2 dB(A)

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP Rating Optional

Insulation Class: Class A

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: Lead Wires (UL1007, 26AWG)

Compliance: RoHS, UL, CUR, TUV

Safety Protection: Auto-Restart, Polarity Protection

The MF60151VX-1000C-A99 is specifically designed for critical cooling in compact electronic assemblies where space is premium and reliability is paramount. Common deployment scenarios include server power supply units, industrial automation controllers, projection equipment, and telecommunications infrastructure. The high static pressure capabilities of the MF60151VX-1000C-A99 make it ideal for forcing air through restricted pathways in heatsinks or tightly packed component arrays, ensuring optimal operating temperatures for sensitive hardware.

Supplemental Images

