

# MF50152V1-1000C-A99 SUNON 24VDC 50x50x15mm MagLev DC Axial Fan Datasheet



**Brand:** SUNON

**SKU:** 898167703039

**Category:** Axial & Centrifugal Fans

**Price:** **\$10.99**

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Product Page:

<https://www.equipspares.com/product/mf50152v1-1000c-a99-sunon-24vdc-50x50x15mm-maglev-dc-axial-fan>

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## Product Description

The SUNON MF50152V1-1000C-A99 is a DC Axial Fan engineered for precision thermal management in compact industrial environments. Utilizing SUNON's proprietary MagLev motor technology and Vapo bearing architecture, 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 and maintaining structural rigidity under continuous operation. This 24VDC cooling solution delivers reliable performance with a power consumption of 1.08W, making it ideal for applications requiring sustained durability and high-density component cooling.

Model Number: MF50152V1-1000C-A99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 20.4 - 27.6 VDC

Rated Current: 0.045 A

Power Consumption: 1.08 W

Rated Speed: 6100 RPM

Bearing Type: Vapo (MagLev)  
Max. Air Flow: 4.8 CFM (8.15 m<sup>3</sup>/h / 0.13 m<sup>3</sup>/min)  
Max. Static Pressure: 6.1 mmH<sub>2</sub>O (59.8 Pa / 0.24 inH<sub>2</sub>O)  
Dimensions: 50mm x 50mm x 15mm  
Weight: 27.0 g  
Life Expectancy: 60,000 Hours at 40°C  
Noise Level: 34.0 dB(A)  
Frame Material: Thermoplastic PBT (UL94V-0)  
Impeller Material: Thermoplastic PBT (UL94V-0)  
Ingress Protection: IP5X (Dust Protected)  
Insulation Class: Class A  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Termination: 2-Wire Lead (Red +, Black -)  
Wire Gauge: 26 AWG  
Safety Certifications: UL, CUR, TUV  
Motor Protection: Auto Restart / Polarity Protection

Designed for versatility, the MF50152V1-1000C-A99 serves critical roles in telecommunications equipment, network switches, and compact power supply units where space is at a premium. Its robust construction allows for integration into industrial automation systems and medical instrumentation requiring consistent thermal regulation. The MF50152V1-1000C-A99 is also frequently utilized in server rack cooling modules and optical devices, ensuring sensitive electronics remain within safe operating temperature ranges to prevent thermal throttling or component failure.

## Supplemental Images

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