

# MF50152V2-1000C-A99 SUNON 24VDC 50x50x15mm MagLev Axial Fan Datasheet



**Brand:** SUNON

**SKU:** 986218597669

**Category:** Axial & Centrifugal Fans

**Price:** \$11.99

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Product Page:

<https://www.equipspares.com/product/mf50152v2-1000c-a99-sunon-24vdc-50x50x15mm-maglev-axial-fan>

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## Product Description

The SUNON MF50152V2-1000C-A99 is a precision-engineered DC Axial Fan designed for applications requiring superior thermal management and acoustic performance within a compact footprint. Utilizing SUNON's proprietary Magnetic Levitation (MagLev) Vapo bearing system, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction, vibration, and noise while extending operational lifespan. The 24VDC motor features an optimized stator design that minimizes electromagnetic interference and enhances torque efficiency. Constructed with a reinforced thermoplastic frame (UL94V-0), the fan ensures structural rigidity under thermal stress. Its aerodynamic impeller geometry is calibrated to deliver a high airflow-to-static pressure ratio, making it an ideal solution for compact electronic enclosures where minimizing thermal impedance is critical for system reliability.

Model Number: MF50152V2-1000C-A99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 12.0 - 27.6 VDC

Rated Current: 0.03 A

Power Consumption: 0.72 W

Rated Speed: 5000 RPM  
Bearing Type: MagLev Vapo Bearing  
Max. Air Flow: 13.0 CFM (22.09 m<sup>3</sup>/h / 0.37 m<sup>3</sup>/min)  
Max. Static Pressure: 0.17 inH<sub>2</sub>O (4.32 mmH<sub>2</sub>O / 42.3 Pa)  
Dimensions: 50x50x15mm  
Weight: 33.0 g  
Life Expectancy: 60,000 Hours at 40°C  
Noise Level: 29.0 dBA  
Housing Material: Thermoplastic PBT (UL94V-0)  
Blade 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 -)  
Safety Certifications: UL, CUR, TUV, CE  
Features: Auto Restart, Polarity Protection

The MF50152V2-1000C-A99 is engineered for integration into compact industrial and consumer electronics where space is at a premium but airflow cannot be compromised. Common deployment scenarios include cooling chipsets in network switches, ventilating small form-factor power supplies, and maintaining thermal equilibrium in medical diagnostic equipment. The MF50152V2-1000C-A99 is also frequently utilized in 3D printer control boxes and telecommunication modules, ensuring consistent operation by effectively dissipating heat generated by continuous duty cycles.

## Supplemental Images

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