

MF50152VX-1000C-A99 SUNON 24VDC 50x50x15mm MagLev DC Fan Datasheet



Brand: SUNON

SKU: [680416472935](#)

Category: Axial & Centrifugal Fans

Price: **\$8.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mf50152vx-1000c-a99-sunon-24vdc-50x50x15mm-maglev-dc-fan>

Product Description

The SUNON MF50152VX-1000C-A99 is a DC Axial Fan engineered for precision thermal management in compact industrial enclosures. Utilizing SUNON's proprietary MagLev motor technology and Vapo bearing architecture, this unit eliminates physical contact between the shaft and bearing, significantly reducing noise and extending operational lifespan. The aerodynamic impeller design optimizes airflow static pressure while maintaining structural rigidity under high-speed operation. This 24VDC cooling solution offers low thermal impedance, ensuring reliable heat dissipation for sensitive electronic components.

Model Number: MF50152VX-1000C-A99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 20.4 - 27.6 VDC

Rated Current: 0.058 A

Power Consumption: 1.40 W

Rated Speed: 6000 RPM

Bearing Type: Vapo (MagLev)

Max. Air Flow: 5.4 CFM (9.17 m³/h / 0.15 m³/min)

Max. Static Pressure: 0.24 inH₂O (6.1 mmH₂O / 59.8 Pa)

Dimensions: 50x50x15mm

Weight: 33.0 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 36.0 dBA

Speed Control: Constant Speed

Ingress Protection: IP5X (Dust Protected)

Insulation Class: Class A

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Termination: 2-Wire Leads (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Safety Protection: Auto Restart, Polarity Protection

Certifications: UL, CUR, TUV, CE

Designed for high-reliability environments, the MF50152VX-1000C-A99 is frequently integrated into variable frequency drive (VFD) inverters and industrial automation control panels. Its compact form factor allows for seamless installation in dense server racks and telecommunications equipment where space is at a premium. Additionally, the MF50152VX-1000C-A99 serves as a critical cooling component in medical diagnostic devices and precision CNC machinery, maintaining optimal operating temperatures for prolonged duty cycles.