

# MF50101V2-E01C-A99 SUNON 12VDC 50x50x10mm MagLev Axial Fan Datasheet



**Brand:** SUNON

**SKU:** [987360514967](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$12.99**

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**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

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Product Page:

<https://www.equipspares.com/product/mf50101v2-e01c-a99-sunon-12vdc-50x50x10mm-maglev-axial-fan>

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## Product Description

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The SUNON MF50101V2-E01C-A99 is a DC Axial Fan engineered with SUNON's proprietary MagLev (Magnetic Levitation) technology, designed to eliminate friction between the shaft and bearing. This advanced Vapo bearing architecture significantly reduces noise generation and vibration while enhancing structural rigidity and thermal impedance management. The unit operates at a low power consumption of 0.45W, making it an energy-efficient solution for continuous duty cycles. Its aerodynamic blade design optimizes airflow efficiency within a compact 50mm footprint, ensuring superior reliability and extended service life in demanding industrial environments.

Model Number: MF50101V2-E01C-A99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.038 A

Power Consumption: 0.45 W

Rated Speed: 4300 RPM

Bearing Type: MagLev (Vapo Bearing)

Max. Air Flow: 11.0 CFM (18.7 m<sup>3</sup>/h / 0.31 m<sup>3</sup>/min)

Max. Static Pressure: 2.79 mmH<sub>2</sub>O (27.4 Pa / 0.11 inH<sub>2</sub>O)

Dimensions: 50 x 50 x 10 mm

Weight: 20.0 g

Life Expectancy: 60,000 Hours (at 40°C)

Noise Level: 26.0 dB(A)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP5X (Dust Protected)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

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

Wire Gauge: 26 AWG

Safety Certifications: UL, CUR, TUV, CE

Protection: Auto-Restart / Polarity Protection

The MF50101V2-E01C-A99 is specifically designed for integration into compact electronic assemblies where space constraints and acoustic sensitivity are critical factors. Primary applications include cooling for network switches, small form-factor power supplies, and medical instrumentation requiring low-vibration operation. Additionally, the MF50101V2-E01C-A99 is widely deployed in DVR systems, projector cooling modules, and LED lighting drivers, providing consistent thermal regulation to prevent component overheating in enclosed chassis environments.

## Supplemental Images

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