

MC25101V1-000C-A99 SUNON 12VDC 25x25x10mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: [988116417478](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mc25101v1-000c-a99-sunon-12vdc-25x25x10mm-maglev-axial-fan>

Product Description

The SUNON MC25101V1-000C-A99 is a precision-engineered DC Axial Fan designed for high-density electronic cooling applications where space constraints and reliability are critical. Utilizing SUNON's proprietary MagLev (Magnetic Levitation) Vapo bearing technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction, noise, and vibration while extending operational lifespan. The 25mm frame houses an optimized impeller geometry that balances airflow against static pressure, ensuring efficient thermal impedance reduction in compact enclosures. Constructed with durable thermoplastic materials meeting UL94V-0 standards, the MC25101V1-000C-A99 delivers reliable performance under continuous operation, making it an ideal solution for maintaining thermal equilibrium in sensitive micro-electronics and industrial instrumentation.

Model Number: MC25101V1-000C-A99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.058 A

Rated Power: 0.69 W

Rated Speed: 10000 RPM \pm 15%

Bearing Type: Vapo (MagLev)

Max. Air Flow: 3.0 CFM (5.1 m³/h / 0.085 m³/min)

Max. Static Pressure: 4.57 mmH₂O (44.8 Pa / 0.18 inH₂O)

Dimensions: 25 x 25 x 10 mm

Weight: 7.5 g

Life Expectancy: 60,000 Hours at 40°C

Noise Level: 20.0 dB(A)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

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

Wire Gauge: 28 AWG

Insulation Resistance: >10M Ohm at 500VDC

Dielectric Strength: 500 VAC for 1 Minute

Protection: Auto Restart, Polarity Protection

Safety Certifications: UL, CUR, TUV

This compact cooling solution is frequently deployed in miniature projection equipment, portable medical devices, and dense server rack monitoring modules. The MC25101V1-000C-A99 excels in cooling chipset arrays and embedded systems where traditional fans fail due to size limitations. Engineers often specify the MC25101V1-000C-A99 for handheld instrumentation and IoT gateways, relying on its magnetic levitation system to prevent mechanical wear in portable, high-vibration environments.

Supplemental Images

