

MF25060V1-1000C-A99 SUNON 5VDC 25x25x6mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: [951723633840](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mf25060v1-1000c-a99-sunon-5vdc-25x25x6mm-maglev-axial-fan>

Product Description

The SUNON MF25060V1-1000C-A99 is a precision-engineered micro DC axial fan designed for space-constrained thermal management applications. Utilizing SUNON's proprietary MagLev motor technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction and noise while enhancing structural rigidity. The 25mm form factor integrates an optimized impeller geometry to maximize airflow efficiency against system resistance. Engineered with a Vapo bearing system, it ensures exceptional longevity and stable operation, minimizing thermal impedance in compact electronic assemblies requiring reliable active cooling.

Model Number: MF25060V1-1000C-A99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 5VDC

Voltage Range: 4.0 - 6.0 VDC

Rated Current: 0.122 A

Power Consumption: 0.61 W

Rated Speed: 10000 RPM $\pm$ 15%

Bearing Type: MagLev (Vapo Bearing)

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: 25x25x6mm

Weight: 5.0 g

Life Expectancy: 60,000 Hours at 40°C

Noise Level: 23.0 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: 28 AWG

Motor Protection: Auto Restart / Polarity Protection

Dielectric Strength: 500 VAC for 1 Minute

Safety Certifications: UL, CUR, TUV

This compact cooling solution is specifically calibrated for ultra-portable electronics where internal volume is at a premium. The MF25060V1-1000C-A99 is extensively utilized in unmanned aerial vehicle (UAV) avionics and handheld remote controllers to dissipate heat from sensitive chipsets without adding significant weight. Additionally, the MF25060V1-1000C-A99 serves as a critical component in micro-projectors, portable medical instrumentation, and miniature sensor arrays, ensuring optimal operating temperatures in high-density integration scenarios.

Supplemental Images

