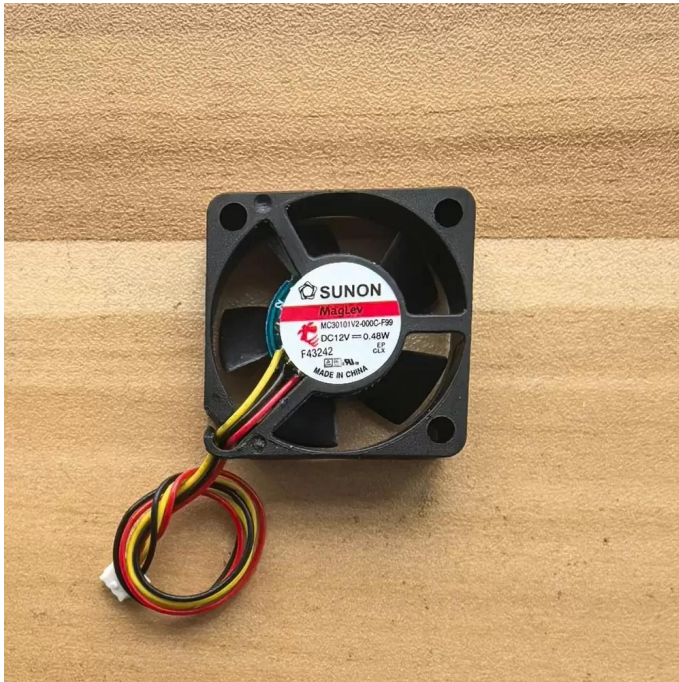


MC30101V2-000C-F99 Sunon 12VDC 30x30x10mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: [862146472083](#)

Category: Axial & Centrifugal Fans

Price: **\$6.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mc30101v2-000c-f99-sunon-12vdc-30x30x10mm-maglev-axial-fan>

Product Description

The Sunon MC30101V2-000C-F99 is a compact DC Axial Fan engineered for precision thermal management in high-density electronics and industrial automation components. Utilizing Sunon's proprietary MagLev (Magnetic Levitation) technology, this unit eliminates physical contact between the shaft and bearing during operation, significantly reducing friction, noise, and vibration while extending operational lifespan. The fan features a Vapo bearing system which offers superior structural rigidity and dust resistance compared to traditional sleeve bearings. Designed with optimized impeller geometry, it delivers consistent airflow with minimal thermal impedance, making it a critical component for maintaining stability in sensitive equipment such as servo drivers and compact power supplies.

Model Number: MC30101V2-000C-F99

Brand: Sunon

Product Type: DC Axial Fan

Series: MagLev MC Series

Rated Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.04 A

Power Input: 0.48 W

Rated Speed: 8000 RPM

Bearing Type: Vapo (MagLev)

Max. Air Flow: 4.6 CFM (7.82 m³/h / 0.13 m³/min)

Max. Static Pressure: 0.12 inH₂O (3.05 mmH₂O / 29.9 Pa)

Dimensions: 30x30x10mm

Weight: 8.6 g

Life Expectancy: 60,000 Hours at 40°C

Noise Level: 20.0 dB(A)

Termination: 3-Wire (Lead Wire)

Output Signal: Fault Detection (F Type / Alarm)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP5X (Dust Protected)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Dielectric Strength: 500 VAC for 1 Minute

Insulation Resistance: 10M Ohms min. @ 500 VDC

Motor Protection: Impedance Protected

Safety Approvals: UL, CUR, TUV

Application Specifics: Yaskawa Driver Cooling

The MC30101V2-000C-F99 is specifically configured for mission-critical cooling applications where reliability is paramount, such as within Yaskawa servo driver units and industrial automation controllers. Its compact 30mm footprint allows for integration into tight enclosures found in handheld instruments, medical monitoring devices, and portable projectors. The inclusion of a third-wire fault detection signal enables real-time monitoring of fan status, allowing the host system to trigger alerts or shutdown procedures if the MC30101V2-000C-F99 ceases rotation, thereby preventing catastrophic thermal failure in expensive industrial machinery.

Supplemental Images

