

MC30100V1-000C-G99 SUNON 5VDC 30x30x10mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: [989358193514](#)

Category: Axial & Centrifugal Fans

Price: **\$6.99**

E-mail: sales@equipspares.com

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Product Page:

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Product Description

The SUNON MC30100V1-000C-G99 is a compact DC axial fan utilizing proprietary MagLev (Magnetic Levitation) motor technology to eliminate physical contact between the shaft and bearing, significantly reducing friction and vibration. Engineered with a patented Vapo bearing system, this unit offers superior structural rigidity and reduced thermal impedance compared to traditional sleeve bearing architectures. The aerodynamic impeller design optimizes airflow efficiency within the confined 30mm frame, ensuring reliable thermal management in high-density applications. Its dust-resistant architecture and precision-balanced rotor contribute to extended operational longevity and consistent acoustic performance in sensitive electronic assemblies.

Model Number: MC30100V1-000C-G99

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Product Type: DC Axial Fan

Rated Voltage: 5 VDC

Voltage Range: 2.5 - 6.0 VDC

Rated Current: 0.12 A

Power Consumption: 0.60 W

Rated Speed: 9500 RPM $\pm$ 20%

Bearing Type: Vapo (MagLev)

Max. Air Flow: 5.5 CFM (9.34 m³/h / 0.15 m³/min)

Max. Static Pressure: 0.15 inH₂O (3.81 mmH₂O / 37.3 Pa)

Dimensions: 30 x 30 x 10 mm

Weight: 9.8 g

Life Expectancy: 60,000 Hours at 40°C

Noise Level: 23.0 dB(A)

Speed Control: 3-Wire (Frequency Generator/Tachometer Signal)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: Dust Resistant Design

Termination: 3 Lead Wires (UL1571, 28 AWG)

Wire Configuration: Red (+), Black (-), Yellow (Signal)

Safety Certifications: UL, CUR, TUV

Motor Protection: Impedance Protected, Reverse Polarity Protection

Designed for high-density electronic environments, the MC30100V1-000C-G99 is frequently integrated into handheld medical devices, portable instrumentation, and compact LED lighting solutions. The MC30100V1-000C-G99 provides critical airflow in micro-projectors and embedded IoT sensor nodes where space is at a premium. Its low-vibration profile makes it ideal for audio-visual equipment and precision optical cooling applications requiring minimal electromagnetic interference and silent operation.

Supplemental Images

