

MC30150V1-000U-F99 SUNON 5VDC 30x30x15mm Axial Fan Datasheet



Brand: SUNON

SKU: 906474558240

Category: Axial & Centrifugal Fans

Price: **\$11.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mc30150v1-000u-f99-sunon-5vdc-30x30x15mm-axial-fan>

Product Description

The SUNON MC30150V1-000U-F99 is a high-precision Axial Fan engineered with the proprietary MagLev motor system to minimize thermal impedance and mechanical friction. This 30mm cooling solution utilizes a VAPO bearing architecture to ensure superior structural rigidity and long-term rotational stability. Designed for low-voltage DC environments, the fan incorporates an optimized impeller geometry to maximize static pressure while maintaining a compact footprint. Its advanced electromagnetic design reduces vibration and acoustic resonance, making it ideal for sensitive electronic deployments requiring consistent airflow and high reliability in constrained spaces.

Model Number: MC30150V1-000U-F99

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Product Type: Axial Fan

Rated Voltage: 5VDC

Voltage Range: 4.25 - 6.0 VDC

Rated Current: 0.114 A

Power: 0.57 W

Rated Speed: 9500 RPM

Bearing Type: VAPO / MagLev

Max. Air Flow: 6.0 CFM (10.2 m³/h / 0.17 m³/min)

Max. Static Pressure: 5.59 mmH₂O (54.8 Pa / 0.22 inH₂O)

Dimensions: 30x30x15mm

Weight: 10.5g

Life Expectancy: 60,000 Hours at 40C

Speed Control: Tachometer (F-Signal)

Noise Level: 23.0 dB(A)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Termination: 3 Lead Wires (Red/Black/Yellow)

Operating Temperature: -10 to +70 C

Storage Temperature: -40 to +70 C

Insulation Class: Class A

Protection Features: Auto Restart, Polarity Protection

Certifications: CE, TUV, UL, CUR

The MC30150V1-000U-F99 is specifically designed for integration into compact electronic devices such as handheld medical instruments, micro-projectors, and portable networking hardware. Given its high rotational speed and specialized MagLev bearing, the MC30150V1-000U-F99 excels in cooling high-density PCB components and small-form-factor server modules where traditional mechanical wear must be minimized. Its three-wire configuration allows for precise system monitoring in mission-critical industrial automation and telecommunications equipment.

Supplemental Images

