

# MF50101V1-Q030-S99 SUNON 12VDC 50x50x10mm 1.50W Axial Fan Datasheet



**Brand:** SUNON

**SKU:** [751529688812](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$14.99**

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Product Page:

<https://www.equipspares.com/product/mf50101v1-q030-s99-sunon-12vdc-50x50x10mm-1-50w-axial-fan>

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## Product Description

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The SUNON MF50101V1-Q030-S99 is a precision-engineered DC Axial Fan designed for high-density electronic cooling applications. 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 extending operational lifespan. The 50mm thermoplastic frame integrates advanced aerodynamic blade geometry to optimize airflow delivery while maintaining exceptional structural rigidity. Featuring a 4-wire configuration, this model supports Pulse Width Modulation (PWM) for precise speed control, ensuring optimal thermal impedance management in variable load environments.

Model Number: MF50101V1-Q030-S99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Power Input: 1.50W

Rated Current: 0.125 A

Rated Speed: 5800 RPM

Max. Air Flow: 14.0 CFM (23.8 m<sup>3</sup>/h)

Max. Static Pressure: 0.16 inH<sub>2</sub>O (4.06 mmH<sub>2</sub>O)

Noise Level: 28.0 dB(A)

Bearing Type: MagLev Vapo Bearing

Dimensions: 50 x 50 x 10 mm

Termination: 4-Wire (Lead Wire)

Speed Control: PWM (Pulse Width Modulation)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 60,000 Hours at 40°C

Weight: 20.0 g

Ingress Protection: IP5X (Dust Protected)

Safety Certifications: UL, CUR, TUV, CE

This compact cooling solution is specifically engineered for space-constrained industrial and IT environments. The MF50101V1-Q030-S99 is widely utilized in 1U server racks, network switches, and embedded industrial automation systems where reliability is paramount. Additionally, the MF50101V1-Q030-S99 serves as a critical component in medical instrumentation and telecommunications equipment, providing consistent thermal regulation for sensitive electronic components.

## Supplemental Images

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