

MF80381V1-Q000-M999 SUNON 12VDC 80x80x38mm 71.2CFM Axial Fan Datasheet



Brand: SUNON

SKU: 584021483044

Category: Axial & Centrifugal Fans

Price: \$13.99

E-mail: sales@equipspares.com

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

Product Page:

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Product Description

The SUNON MF80381V1-Q000-M999 is a precision-engineered axial cooling solution designed for high-density thermal management environments. Utilizing SUNON's proprietary MagLev motor technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction and thermal impedance while enhancing structural rigidity. The 80mm frame houses an optimized impeller geometry capable of delivering 71.2 CFM, ensuring efficient heat dissipation in restricted airflow chassis. Engineered for continuous operation, the MF80381V1-Q000-M999 integrates a 4-wire PWM control interface, allowing for dynamic speed modulation and acoustic optimization in mission-critical server applications.

Model Number: MF80381V1-Q000-M999

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Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.51 A

Power Consumption: 6.10 W

Rated Speed: 6000 RPM

Bearing Type: MagLev (Vapo Bearing)

Max. Air Flow: 71.20 CFM (120.97 m³/h / 2.02 m³/min)

Max. Static Pressure: 14.22 mmH₂O (139.45 Pa / 0.56 inH₂O)

Dimensions: 80 x 80 x 38 mm

Weight: 165 g

Life Expectancy: 70,000 Hours @ 40°C

Termination: 4-Wire (Red, Black, Yellow, Blue)

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Ingress Protection: IP54 (Dust Protected)

Safety Certifications: UL, CUR, TUV

This high-performance cooling unit is specifically calibrated for enterprise-grade hardware, including rack-mounted servers and storage arrays where backpressure is a critical factor. The MF80381V1-Q000-M999 excels in maintaining optimal operating temperatures within dense computing clusters, such as Dell PowerEdge series chassis. Additionally, the MF80381V1-Q000-M999 is suitable for industrial automation equipment, telecommunications base stations, and precision medical instrumentation requiring reliable forced air convection.

Supplemental Images

