MF80381V1-D000-M99 SUNON 12VDC 80x80x38mm PWM Axial Fan Datasheet

Brand: SUNON

SKU: 1011574654133

Category: Axial & Centrifugal Fans

Price: **$14.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/mf80381v1-d000-m99-sunon-12vdc-80x80x38mm-pwm-axial-fan

Product Description

The SUNON MF80381V1-D000-M99 is a high-efficiency DC Axial Fan engineered for critical thermal management applications requiring substantial airflow density. Utilizing SUNON's proprietary Magnetic Levitation (MagLev) bearing architecture, this unit eliminates physical contact between the shaft and bearing, significantly reducing mechanical friction and acoustic signature while optimizing thermal impedance. The 80x80x38mm frame offers superior structural rigidity, housing an impeller designed for high static pressure generation. Operating at 12VDC with a power consumption of 6.1W, it delivers a robust airflow of 84 CFM at 6300 RPM. The integration of a 4-wire PWM control interface allows for precise dynamic speed modulation, ensuring optimal cooling performance relative to system load.

Model Number: MF80381V1-D000-M99
Brand: SUNON
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Rated Current: 0.51 A
Power Consumption: 6.1 W
Rated Speed: 6300 RPM ±10%
Bearing Type: MagLev (Magnetic Levitation System)
Max. Air Flow: 84.0 CFM (2.38 m^3/min)

Dimensions: 80 x 80 x 38 mm
Noise Level: 49 dB(A)
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (Speed Sensor)
Wire Configuration: 4-Wire
Connector Type: 4-Pin (Dell Server / Standard 4-Pin)
Wire Length: 200mm (Dell) / 300mm (Standard)
Life Expectancy: 100,000 Hours (at 25°C, 45-85% RH)
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)

Designed primarily for high-density computing environments, the MF80381V1-D000-M99 serves as a critical component in server rack cooling and industrial chassis ventilation. Its high static pressure capabilities make it ideal for forcing air through restricted spaces found in telecommunications equipment and power supply units. The MF80381V1-D000-M99 is also frequently utilized in precision medical devices and automated CNC machinery where reliable, long-term thermal dissipation is mandatory to prevent component throttling or failure.

Supplemental Images