

ME80151V3-000U-A99 SUNON 12VDC 80x80x15mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: 990458959363

Category: Axial & Centrifugal Fans

Price: \$9.99

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Product Page:

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Product Description

The SUNON ME80151V3-000U-A99 is a precision-engineered DC axial fan designed for applications requiring a balance between airflow efficiency and acoustic performance. Utilizing SUNON's proprietary MagLev (Magnetic Levitation) Vapo bearing technology, this unit eliminates direct friction between the shaft and bearing, significantly reducing noise generation while extending operational lifespan and enhancing structural rigidity. The aerodynamic blade geometry is optimized to minimize turbulence and lower thermal impedance within compact enclosures. Engineered for reliability, the fan incorporates robust motor protection circuitry, ensuring stable operation even under fluctuating load conditions. Its slim 15mm profile makes it an ideal solution for space-constrained electronic assemblies where effective thermal management is critical.

Model Number: ME80151V3-000U-A99

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Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.09 A

Power Consumption: 1.08 W

Rated Speed: 2600 RPM $\pm$ 15%

Bearing Type: MagLev Vapo Bearing

Max. Air Flow: 30.0 CFM (50.97 m³/h)
Max. Static Pressure: 0.09 inH₂O (2.29 mmH₂O / 22.4 Pa)
Dimensions: 80 x 80 x 15 mm
Weight: 63.0 g
Life Expectancy: 60,000 Hours at 40°C
Noise Level: 23.0 dBA
Frame Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Ingress Protection: IP5X (Dust Protected)
Insulation Class: Class A
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Termination: 2-Wire Lead (UL1007 #24AWG)
Safety Protection: Auto Restart / Polarity Protection
Dielectric Strength: 500VAC for 1 Minute
Certifications: UL, CUR, TUV, CE

The ME80151V3-000U-A99 is frequently deployed in sensitive electronic environments such as compact power supply units, server rack auxiliary cooling, and telecommunications equipment. Its low-profile design allows the ME80151V3-000U-A99 to fit seamlessly into network switches, medical instrumentation, and home entertainment consoles where internal clearance is limited. Additionally, the quiet operation makes it suitable for office automation devices and desktop computing peripherals that demand minimal acoustic interference.

Supplemental Images

