

MF60152V1-1000C-A99 Sunon 24VDC 60x60x15mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: 956685005345

Category: Axial & Centrifugal Fans

Price: \$11.99

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Product Page:

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Product Description

The Sunon MF60152V1-1000C-A99 is a precision-engineered DC Axial Fan designed for high-reliability thermal management applications. Utilizing Sunon's proprietary Magnetic Levitation (MagLev) system, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction, vibration, and noise while extending operational lifespan. The 60x60x15mm chassis houses an optimized impeller geometry that balances airflow against static pressure, driven by an efficient 24VDC motor consuming 2.02W. Constructed with durable thermoplastic materials meeting UL94V-0 flammability standards, this cooling solution ensures consistent performance in demanding environments. The MagLev architecture provides superior structural rigidity and thermal stability compared to traditional sleeve or ball bearing designs, making it ideal for continuous duty cycles.

Model Number: MF60152V1-1000C-A99

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Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 12.0 - 27.6 VDC

Rated Power: 2.02 W

Rated Current: 0.084 A

Rated Speed: 4700 RPM $\pm$ 15%
Bearing Type: MagLev (Vapo)
Max. Air Flow: 27.5 CFM (46.7 m³/h / 0.78 m³/min)
Max. Static Pressure: 4.32 mmH₂O (42.3 Pa / 0.17 inH₂O)
Dimensions: 60x60x15 mm
Weight: 45.0 g
Noise Level: 33.5 dB(A)
Termination: 2-Wire (Lead Wire)
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +70 °C
Ingress Protection: IP5X (Dust Protected)
Life Expectancy: 60,000 Hours @ 40°C
Mounting Orientation: Any

This thermal solution is widely deployed in compact electronic enclosures, telecommunications equipment, and industrial automation control panels. The MF60152V1-1000C-A99 excels in server rack cooling and power supply ventilation where space is constrained but airflow requirements are critical. Additionally, the MF60152V1-1000C-A99 is suitable for medical instrumentation and network switches, providing reliable heat dissipation to maintain optimal operating temperatures for sensitive components.

Supplemental Images

