

MF50152VX-1L02C-A99 Sunon 24VDC 50x50x15mm Blower Datasheet



Brand: SUNON

SKU: 1024145382379

Category: Axial & Centrifugal Fans

Price: \$16.99

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mf50152vx-1l02c-a99-sunon-24vdc-50x50x15mm-blower>

Product Description

Sunon MF50152VX-1L02C-A99 is a 24VDC 50x50x15mm Blower optimized for localized thermal management in high-impedance environments. The MagLev bearing system utilizes magnetic levitation to eliminate physical contact between the shaft and bearing, preventing friction-induced wear and ensuring stable operation under continuous 24/7 thermal stress. By maintaining a consistent 1.95W power draw, this 50x50x15mm 24VDC Blower generates concentrated airflow necessary to overcome the static pressure of dense internal components. Integrated MagLev Blower technology allows for significantly reduced acoustic resonance while sustaining the high rotational speeds required for effective heat dissipation in compact enclosures.

Model Number: MF50152VX-1L02C-A99

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Product Type: Centrifugal Blower

Rated Voltage: 24VDC

Voltage Range: 20.4 - 27.6 VDC

Rated Current: 0.081 Amps

Power: 1.95 Watts

Rated Speed: 6000 RPM

Bearing Type: VAPO / MagLev

Max. Air Flow: 4.8 CFM

Max. Static Pressure: 0.97 inH₂O

Dimensions: 50x50x15mm

Weight: 30g

Life Expectancy: 70,000 Hours at 40C

Noise Level: 42.2 dB(A)

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Termination: 2-Wire Lead Wires with Connector

Operating Temperature: -10 to +70 C

Storage Temperature: -40 to +70 C

Protection Features: Auto-Restart, Polarity Protection

Applications & Industry Use Cases

1. Stage Lighting Systems: Prevents heat soak in beam lights and high-intensity stage projectors.
2. Ultrasonic Humidifiers: Provides the concentrated airflow needed for efficient moisture vapor distribution.
3. Air Purification Units: Acts as a compact replacement fan for internal filtration circulation.
4. Industrial PLCs: Maintains thermal equilibrium within small-form-factor automation control cabinets.
5. Medical Equipment: Ensures quiet, reliable cooling for portable diagnostic and respiratory devices.

Supplemental Images

