

MF50201V2-Q020-G99 SUNON 12VDC 50x50x20mm MagLev Blower Datasheet



Brand: SUNON

SKU: [987260209429](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mf50201v2-q020-g99-sunon-12vdc-50x50x20mm-maglev-blower>

Product Description

The SUNON MF50201V2-Q020-G99 is a precision-engineered DC centrifugal blower designed to deliver high static pressure airflow within compact electronic enclosures. Utilizing SUNON's proprietary MagLev (Magnetic Levitation) Vapo bearing technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction, acoustic noise, and vibration while enhancing structural rigidity. The 50mm blower architecture is optimized for overcoming high thermal impedance, making it ideal for systems with dense component layouts. Operating at a rated voltage of 12VDC with a power consumption of 1.62W, it features a 3-wire interface providing a tachometer signal for precise speed monitoring and thermal regulation.

Model Number: MF50201V2-Q020-G99

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Product Type: DC Centrifugal Blower

Rated Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.135 A

Power Consumption: 1.62 W

Rated Speed: 4800 RPM

Bearing Type: MagLev (Vapo)

Max. Air Flow: 4.8 CFM (8.15 m³/h / 0.13 m³/min)

Max. Static Pressure: 14.2 mmH₂O (139.4 Pa / 0.56 inH₂O)

Dimensions: 50x50x20mm

Noise Level: 32.5 dB(A)

Termination: 3-Wire Lead Wires

Signal Output: Tachometer (Frequency Generator)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 60,000 Hours at 40°C

Weight: 33 g

Safety Approvals: UL, CUR, TUV

The MF50201V2-Q020-G99 is specifically calibrated for applications requiring concentrated airflow to dissipate heat from localized hotspots. It is frequently deployed in multimedia projectors where maintaining low acoustic profiles is as critical as thermal performance. Furthermore, the MF50201V2-Q020-G99 is suitable for compact 1U server racks, portable medical devices, and embedded telecommunications equipment, ensuring reliable operation in restricted ventilation scenarios.

Supplemental Images

