

MF40201VX-1000C-G99 SUNON 12VDC 40x40x20mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: 956683021051

Category: Axial & Centrifugal Fans

Price: **\$11.99**

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Product Page:

<https://www.equipspares.com/product/mf40201vx-1000c-g99-sunon-12vdc-40x40x20mm-maglev-axial-fan>

Product Description

The SUNON MF40201VX-1000C-G99 is a precision-engineered DC axial fan utilizing proprietary Magnetic Levitation (MagLev) Vapo bearing technology. This architecture eliminates physical contact between the shaft and bearing during operation, significantly reducing friction, vibration, and thermal impedance while extending operational lifespan. Designed with a 40mm thermoplastic frame, the unit delivers efficient airflow with a power consumption of 1.06W. The rotor assembly features an optimized blade geometry to maximize static pressure capabilities within a compact form factor. Engineered for structural rigidity and reliability, this cooling solution integrates a 3-wire interface, supporting tachometer signal output for real-time speed monitoring in critical thermal management systems.

Model Number: MF40201VX-1000C-G99

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Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Power Consumption: 1.06 W

Rated Current: 0.088 A

Rated Speed: 8000 RPM $\pm$ 15%

Bearing Type: Vapo (MagLev)

Max. Air Flow: 10.8 CFM (18.3 m³/h / 0.30 m³/min)

Max. Static Pressure: 0.29 inH₂O (72.2 Pa)

Dimensions: 40x40x20mm

Noise Level: 27.5 dB(A)

Termination: 3-Wire (Lead Wire)

Signal Output: Frequency Generator (Tachometer)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Weight: 26.0 g

Ingress Protection: IP5X (Dust Protected)

Safety Certifications: UL, CUR, TUV, CE

The MF40201VX-1000C-G99 is specifically engineered for high-density electronic enclosures requiring reliable thermal dissipation. Common deployments include compact server racks, network switches, and industrial automation control panels where space is at a premium. The MF40201VX-1000C-G99 is also utilized in medical instrumentation and projection equipment, ensuring stable operating temperatures for sensitive components. Its magnetic levitation system makes it ideal for 24/7 continuous operation environments such as telecommunications base stations and DVR/NVR surveillance systems.

Supplemental Images

