

MF40200V3-10000-A99 SUNON 5VDC 40x40x20mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: 799205944610

Category: Axial & Centrifugal Fans

Price: \$7.99

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Product Page:

<https://www.equipspares.com/product/mf40200v3-10000-a99-sunon-5vdc-40x40x20mm-maglev-axial-fan>

Product Description

The SUNON MF40200V3-10000-A99 is a precision-engineered DC Axial Fan designed for applications requiring acoustic discretion and thermal efficiency. Utilizing SUNON's proprietary MagLev (Magnetic Levitation) Vapo bearing technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction, vibration, and thermal impedance. The 40mm chassis is constructed from reinforced thermoplastic PBT (UL94V-0), ensuring structural rigidity and long-term reliability. With a rated speed of 5000 RPM and a power consumption of just 0.40W, it delivers optimized airflow while maintaining a low noise profile, making it ideal for sensitive electronic cooling solutions.

Model Number: MF40200V3-10000-A99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 5VDC

Voltage Range: 4.0 - 6.0 VDC

Rated Current: 0.08 A

Power Consumption: 0.40 W

Rated Speed: 5000 RPM

Bearing Type: MagLev (Vapo Bearing)

Max. Air Flow: 6.3 CFM (10.7 m³/h / 0.17 m³/min)

Max. Static Pressure: 0.11 inH₂O (27.4 Pa / 2.79 mmH₂O)

Dimensions: 40x40x20mm

Weight: 26.0 g

Life Expectancy: 60,000 Hours at 40°C

Noise Level: 20.5 dBA

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Termination: 2-Wire (Red +, Black -)

Wire Gauge: 26 AWG

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP5X

Safety Certifications: UL, CUR, TUV, CE

Motor Protection: Impedance Protected, Reverse Polarity

The MF40200V3-10000-A99 is specifically engineered for compact electronic assemblies where space constraints and noise reduction are paramount. Common deployment environments include handheld medical diagnostic devices, small form-factor projectors, and network interface cards within server racks. The MF40200V3-10000-A99 is also frequently utilized in IoT gateway cooling and precision instrumentation, ensuring stable operating temperatures for sensitive microprocessors without introducing disruptive acoustic resonance.

Supplemental Images

