MF30060V1-1000C-A99 SUNON 5VDC 30x30x6mm MagLev Axial Fan Datasheet

Brand: SUNON

SKU: 981129380625

Category: Axial & Centrifugal Fans

Price: **$10.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/mf30060v1-1000c-a99-sunon-5vdc-30x30x6mm-maglev-axial-fan

Product Description

The SUNON MF30060V1-1000C-A99 is a precision-engineered DC Axial Fan designed for high-density electronic applications where space is at a premium. Featuring SUNON's proprietary MagLev (Magnetic Levitation) motor technology, this unit utilizes a Vapo bearing system that eliminates physical contact between the shaft and bearing, significantly reducing friction, vibration, and acoustic noise while extending operational lifespan. With a rated power of 0.72W, the fan delivers consistent airflow to lower thermal impedance in compact circuits. The thermoplastic frame ensures structural rigidity and compliance with flammability standards, making it a robust solution for critical thermal management tasks.

Model Number: MF30060V1-1000C-A99
Brand: SUNON
Product Type: DC Axial Fan
Motor Technology: Brushless DC (MagLev)
Rated Voltage: 5VDC
Voltage Range: 4.0 - 6.0 VDC
Rated Current: 0.144 A
Power Consumption: 0.72 W
Rated Speed: 9500 RPM (Nominal)
Bearing Type: Vapo (MagLev)

Max. Air Flow: 3.0 CFM (5.1 m^3/h / 0.08 m^3/min)
Max. Static Pressure: 0.15 inH_2O (3.81 mmH_2O / 37.4 Pa)
Dimensions: 30 x 30 x 6 mm
Weight: 6.0 g
Noise Level: 23.0 dBA
Frame Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Termination: 2-Wire Leads (Red +, Black -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 60,000 Hours at 40°C
Ingress Protection: IP5X (Dust Protected)
Safety Certifications: UL, CUR, TUV

The MF30060V1-1000C-A99 is specifically optimized for ultra-compact electronic devices requiring active cooling within tight geometric constraints. Common deployment scenarios include cooling chipsets in miniature projectors, handheld mobile instruments, and VR/AR headsets where internal clearance is limited. Additionally, the MF30060V1-1000C-A99 is utilized in embedded IoT gateways and portable medical diagnostic equipment to maintain optimal component temperatures during continuous operation.

Supplemental Images