MF40102VX-Q00U-GAD SUNON 24VDC 40x40x10mm MagLev Axial Fan Datasheet

Brand: SUNON

SKU: 992275397770

Category: Axial & Centrifugal Fans

Price: **$15.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/mf40102vx-q00u-gad-sunon-24vdc-40x40x10mm-maglev-axial-fan

Product Description

The SUNON MF40102VX-Q00U-GAD is a DC Axial Fan engineered for precision thermal management in compact electronic assemblies. Utilizing SUNON's proprietary MagLev (Magnetic Levitation) motor technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction and noise while extending operational lifespan. The aerodynamic blade geometry is optimized to minimize thermal impedance and maximize airflow efficiency within the 40mm form factor. Constructed with high-grade thermoplastic, the frame ensures structural rigidity and vibration dampening, making it an ideal solution for applications requiring reliable, continuous cooling performance under demanding environmental conditions.

Model Number: MF40102VX-Q00U-GAD
Brand: SUNON
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Voltage Range: 12.0 - 27.6 VDC
Rated Current: 0.06 A
Power: 1.44 W
Rated Speed: 10000 RPM
Bearing Type: MagLev (Vapo)
Max. Air Flow: 10.8 CFM (18.3 m^3/h / 0.30 m^3/min)

Max. Static Pressure: 0.26 inH_2O (6.6 mmH_2O / 64.7 Pa)
Dimensions: 40x40x10mm
Weight: 14.0 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 36.0 dB(A)
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
Termination: Lead Wires (UL1007, 26AWG)
Ingress Protection: IP5X (Dust Protected)
Safety Certifications: UL, CUR, TUV, CE
Motor Protection: Auto Restart / Polarity Protection

The MF40102VX-Q00U-GAD is specifically designed for integration into high-density electronic environments where space is at a premium but thermal dissipation cannot be compromised. Common deployment scenarios include 1U server rack cooling, compact power supply units, and industrial automation controllers. The fan is also frequently utilized in medical instrumentation and telecommunications equipment requiring low-noise operation. By maintaining consistent airflow, the MF40102VX-Q00U-GAD ensures critical components remain within safe operating temperature ranges, preventing thermal throttling in sensitive hardware like FPGA arrays and embedded processors.

Supplemental Images


SUNON
MagLev
MF40102VX-Q00U-GAD
DC24V 1.44W
A5E35613893
EP
CLX
F8128L
MADE IN CHINA