

ME6010V3-E03C-A99 SUNON 12VDC 60x60x10mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: [1008499815029](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/me6010v3-e03c-a99-sunon-12vdc-60x60x10mm-maglev-axial-fan>

Product Description

The SUNON ME6010V3-E03C-A99 is a precision-engineered DC Axial Fan designed for applications requiring optimal thermal impedance management and acoustic discretion. Utilizing SUNON's proprietary Magnetic Levitation (MagLev) Vapo bearing technology, this unit eliminates physical contact between the shaft and bearing during operation, significantly reducing friction and vibration. The aerodynamic impeller design ensures consistent airflow delivery while maintaining structural rigidity under continuous operation. With a power consumption of just 0.52W, this 12VDC cooling solution offers extended service life and reliability, making it an ideal component for sensitive electronic assemblies where stability and low-noise performance are paramount critical factors.

Model Number: ME6010V3-E03C-A99

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Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.043 A

Power Consumption: 0.52 W

Rated Speed: 3000 RPM \pm 15%

Bearing Type: Vapo (MagLev System)

Max. Air Flow: 13.8 CFM (23.45 m³/h / 0.39 m³/min)

Max. Static Pressure: 2.03 mmH₂O (19.91 Pa / 0.08 inH₂O)

Dimensions: 60x60x10mm

Weight: 28.0 g

Life Expectancy: 60,000 Hours @ 40°C

Noise Level: 22.0 dB(A)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Termination: 2-Wire Leads (UL1007, 26AWG)

Wire Configuration: Red (+), Black (-)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Insulation Class: Class A

Ingress Protection: IP5X (Dust Protected)

Safety Features: Auto Restart, Polarity Protection

Compliance: RoHS, CE, TUV, UL

This cooling solution is engineered for diverse industrial and commercial environments, including compact server chassis, network switches, and telecommunications equipment. The ME6010V3-E03C-A99 excels in small form factor devices where internal space is limited but airflow cannot be compromised. Integrators frequently deploy the ME6010V3-E03C-A99 in medical instrumentation, power supply units, and embedded systems to maintain optimal operating temperatures, ensuring component longevity and system stability in continuous duty cycles.