

HA30101V3-000U-A99 SUNON 12VDC 30x30x10mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: [987545482844](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

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Product Page:

<https://www.equipspares.com/product/ha30101v3-000u-a99-sunon-12vdc-30x30x10mm-maglev-axial-fan>

Product Description

The SUNON HA30101V3-000U-A99 is a precision-engineered DC axial fan designed for compact thermal management applications requiring high reliability and low acoustic signatures. Utilizing SUNON's proprietary MagLev (Magnetic Levitation) Vapo bearing technology, this unit eliminates direct physical contact between the shaft and bearing surface, significantly reducing friction, vibration, and noise generation while extending operational lifespan. The 30mm thermoplastic frame houses an optimized impeller geometry that balances airflow against static pressure, ensuring efficient heat dissipation in high-density electronic environments. With a low power consumption profile of 0.44W and robust structural rigidity, this component delivers consistent cooling performance with minimal thermal impedance, making it ideal for sensitive instrumentation.

Model Number: HA30101V3-000U-A99

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Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.037 A

Power Consumption: 0.44 W

Rated Speed: 7000 RPM \pm 15%

Bearing Type: MagLev Vapo Bearing

Max. Air Flow: 3.5 CFM (5.95 m³/h / 0.099 m³/min)
Max. Static Pressure: 0.08 inH₂O (2.03 mmH₂O / 19.9 Pa)
Dimensions: 30x30x10mm
Weight: 8.6 g
Life Expectancy: 60,000 Hours at 40°C
Noise Level: 16.0 dB(A)
Frame Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Ingress Protection: IP5X (Dust Protected)
Insulation Class: Class A
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Termination: 2-Wire Lead (UL1571 AWG28)
Wire Configuration: Red (+), Black (-)
Motor Protection: Impedance Protected
Safety Certifications: UL, CUR, TUV, CE

The HA30101V3-000U-A99 is frequently integrated into compact electronic assemblies where space is at a premium and acoustic limits are strict. Common deployments include chipset cooling in embedded systems, handheld medical diagnostic devices, and miniature projection equipment. The HA30101V3-000U-A99 is also utilized in precision optical instruments and small-scale telecommunications gear, providing necessary airflow to prevent thermal throttling without introducing vibration or excessive noise into the operating environment.

Supplemental Images

