

HAC0251S4-0000-999 SUNON 12VDC 120x120x25mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: [990063200112](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

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<https://www.equipspares.com/product/hac0251s4-0000-999-sunon-12vdc-120x120x25mm-maglev-axial-fan>

Product Description

The SUNON HAC0251S4-0000-999 is a precision-engineered DC Axial Fan designed for optimal thermal management in electronic enclosures and industrial systems. Utilizing SUNON's proprietary Magnetic Levitation (MagLev) system, this unit eliminates physical contact between the shaft and bearing, significantly reducing mechanical friction, acoustic noise, and vibration while extending operational lifespan. The 120mm chassis features an aerodynamically optimized impeller that delivers consistent airflow while maintaining a low acoustic profile, making it ideal for noise-sensitive environments. With a rated power of 1.9W, it balances energy efficiency with effective heat dissipation, ensuring low thermal impedance for sensitive components. The robust thermoplastic frame construction ensures structural rigidity and compliance with flammability standards, making it suitable for continuous duty cycles in demanding operational conditions.

Model Number: HAC0251S4-0000-999

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Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Power: 1.9 W

Rated Current: 0.16 A

Rated Speed: 1800 RPM

Max. Air Flow: 68.0 CFM (115.5 m³/h)

Max. Static Pressure: 0.14 inH₂O (3.56 mmH₂O)

Noise Level: 34.0 dB(A)

Bearing Type: MagLev (Magnetic Levitation System)

Dimensions: 120 x 120 x 25 mm

Weight: 157 g

Life Expectancy: 70,000 Hours at 40°C

Termination: 2-Wire Lead (Red/Black)

Wire Gauge: 24 AWG

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Ingress Protection: IP20

Insulation Class: Class A

Motor Protection: Impedance Protected, Reverse Polarity Protection

Direction of Rotation: Counter-clockwise (Viewed from front of fan blade)

The HAC0251S4-0000-999 is engineered for versatile integration into thermal management systems requiring reliable air exchange, such as server cabinets, telecommunications racks, and industrial automation control panels. Its magnetic levitation design makes the HAC0251S4-0000-999 particularly effective for medical instrumentation and audio-visual equipment where acoustic interference must be minimized without compromising airflow performance. Additionally, this unit serves as a critical cooling component in power supply units, network switches, and CNC machinery electronics, maintaining optimal operating temperatures for prolonged hardware reliability.

Supplemental Images

