

HA60151V4-D020-C99 Sunon 12VDC 60x60x15mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: 830237290709

Category: Axial & Centrifugal Fans

Price: \$9.99

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Product Page:

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Product Description

The Sunon HA60151V4-D020-C99 is a precision-engineered DC axial fan designed for applications requiring acoustic discretion and reliable thermal management. Utilizing Sunon's proprietary MagLev (Magnetic Levitation) motor technology, this unit eliminates physical contact between the shaft and bearing during operation, significantly reducing friction and mechanical noise. The Vapo bearing architecture ensures exceptional structural rigidity and prevents oil leakage, contributing to a prolonged operational lifespan. Engineered with a thermoplastic PBT frame and impeller, the fan optimizes aerodynamic efficiency while maintaining low thermal impedance, making it an ideal solution for sensitive electronic enclosures where vibration and noise must be minimized.

Model Number: HA60151V4-D020-C99

Brand: Sunon

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.05 A

Power Consumption: 0.60 W

Rated Speed: 2500 RPM

Bearing Type: MagLev Vapo Bearing

Max. Air Flow: 10.8 CFM (18.35 m³/h / 0.30 m³/min)

Max. Static Pressure: 2.29 mmH₂O (22.4 Pa / 0.09 inH₂O)

Dimensions: 60x60x15 mm

Weight: 36.0 g

Noise Level: 14.5 dBA

Life Expectancy: 60,000 Hours at 40°C

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 (Red +, Black -)

Wire Gauge: 26 AWG

Safety Certifications: UL, CUR, TUV, CE

Motor Protection: Impedance Protected, Reverse Polarity Protection

This cooling solution is specifically tailored for environments where noise pollution must be minimized without compromising airflow. The HA60151V4-D020-C99 is frequently integrated into compact server chassis, home theater PC (HTPC) builds, and precision medical instrumentation requiring silent operation. Additionally, the HA60151V4-D020-C99 serves as a critical component in network switches and telecommunications equipment, ensuring stable operating temperatures for sensitive ICs in continuous duty cycles.

Supplemental Images

