

SF30D-12L SEPA 12VDC 30x30x10mm Low Noise Axial Fan Datasheet



Brand: SEPA

SKU: 756096151565

Category: Axial & Centrifugal Fans

Price: \$6.99

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Product Page:

<https://www.equipspares.com/product/sf30d-12l-sepa-12vdc-30x30x10mm-low-noise-axial-fan>

Product Description

The SEPA SF30D-12L is a precision-engineered DC Axial Fan designed for compact thermal management solutions requiring minimal acoustic resonance and high reliability. Utilizing advanced brushless motor technology, this unit optimizes airflow efficiency while maintaining an exceptionally low power consumption profile of 0.48W. The chassis is constructed from reinforced thermoplastic to ensure structural rigidity, minimizing vibration transfer in sensitive electronic assemblies. Its aerodynamic impeller design significantly reduces turbulence, thereby lowering the overall thermal impedance of the target system. Engineered for continuous operation, the SF30D-12L integrates a robust bearing architecture to sustain consistent rotational stability over extended operational periods, making it an ideal component for high-density circuitry cooling where space constraints are critical.

Model Number: SF30D-12L

Brand: SEPA

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.04 A

Power Consumption: 0.48 W

Rated Speed: 6500 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 2.8 CFM (4.76 m³/h / 0.08 m³/min)

Max. Static Pressure: 2.1 mmH₂O (20.59 Pa / 0.08 inH₂O)

Dimensions: 30x30x10mm

Weight: 8.0 g

Noise Level: 19.0 dB(A)

Frame Material: Glass Fiber Reinforced PBT (UL94V-0)

Impeller Material: Glass Fiber Reinforced PBT (UL94V-0)

Termination: 2-Wire Lead

Ingress Protection: IP40

Operating Temperature: -10 to +60 °C

Storage Temperature: -30 to +70 °C

Life Expectancy: 30,000 Hours at 40°C

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

This compact cooling solution is specifically calibrated for applications where space is at a premium and acoustic signatures must be minimized. The SF30D-12L is frequently deployed in handheld medical diagnostic devices, miniature projectors, and precision sensor arrays where vibration must be negated. Furthermore, the SF30D-12L serves as a critical component in active cooling for chipset heatsinks within embedded industrial controllers, DVR systems, and small-form-factor telecommunications equipment, ensuring thermal stability without introducing significant noise pollution to the operating environment.

Supplemental Images

