

LD6025 LS-FAN 12VDC 60x60x25mm Low Noise Axial Fan Datasheet



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Category: Axial & Centrifugal Fans

Price: **\$3.99**

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Product Description

The LS-FAN LD6025 is a precision-engineered DC axial fan designed for applications requiring a balance between airflow efficiency and acoustic performance. Utilizing a brushless DC motor architecture, this unit operates at a rated voltage of 12VDC with a current draw of 0.10A, resulting in a power consumption of 1.20W. The 60x60x25mm frame houses an optimized impeller designed to minimize turbulence and reduce thermal impedance within compact enclosures. Its structural rigidity is ensured by a durable thermoplastic housing, while the aerodynamic blade geometry enhances static pressure delivery. This specific configuration features a 2-wire termination with a 2510 connector, making it suitable for streamlined integration into various electronic cooling systems where low-noise operation is a critical parameter.

Model Number: LD6025

Brand: LS-FAN

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.10 A

Power Consumption: 1.20 W

Rated Speed: 3200 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 18.5 CFM (31.4 m³/h / 0.52 m³/min)
Max. Static Pressure: 3.05 mmH₂O (29.9 Pa / 0.12 inH₂O)
Dimensions: 60 x 60 x 25 mm
Noise Level: 26.0 dBA
Termination: 2-Wire Lead with 2510 Connector
Housing Material: PBT Thermoplastic (UL94V-0)
Blade Material: PBT Thermoplastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 30,000 Hours at 25°C
Motor Protection: Impedance Protected
Weight: 52 g

The LD6025 is frequently deployed in compact electronic assemblies where thermal management is essential for component longevity. Common utilization environments include small form-factor power supply units, DVR surveillance systems, and network switchgear where internal space is limited. The LD6025 provides consistent airflow to dissipate heat from heat sinks and active components, ensuring operational stability in telecommunications equipment and home automation devices. Its specific connector type allows for rapid deployment in OEM replacement scenarios and custom industrial fabrication projects.

Supplemental Images

