

SP401212M INNOVATIVE 12VDC 40x40x12mm Axial Fan Datasheet



SKU: [680698418133](#)

Category: Axial & Centrifugal Fans

Price: **\$11.99**

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Product Page: <https://www.equipspares.com/product/sp401212m-innovative-12vdc-40x40x12mm-axial-fan>

Product Description

The INNOVATIVE SP401212M is a precision-engineered Axial Fan designed to mitigate thermal impedance in compact electronic assemblies. Utilizing an efficient DC motor architecture, this unit operates at a rated voltage of 12VDC with a low current draw of 0.06A, ensuring minimal power consumption while maintaining consistent airflow dynamics. The chassis is constructed to provide high structural rigidity, reducing vibration-induced noise during operation. Its aerodynamic blade profile is optimized to balance static pressure and volumetric flow, making it suitable for high-density component cooling. The SP401212M integrates robust insulation and thermal protection mechanisms, ensuring reliability in continuous duty cycles within industrial and computing environments.

Model Number: SP401212M

Brand: INNOVATIVE

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.06 A

Power Consumption: 0.72 W

Rated Speed: 4200 RPM

Bearing Type: Precision Sleeve Bearing

Max. Air Flow: 5.20 CFM (8.83 m³/h / 0.14 m³/min)

Max. Static Pressure: 2.54 mmH₂O (24.91 Pa / 0.10 inH₂O)

Dimensions: 40 x 40 x 12 mm

Weight: 25 g

Noise Level: 21.0 dBA

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 30,000 Hours at 25°C

Motor Type: Brushless DC

The SP401212M is frequently utilized in compact electronic enclosures where space is at a premium but thermal dissipation is critical. Common deployments include CPU cooling in legacy computing systems, chipset cooling in industrial automation controllers, and ventilation for small form-factor power supplies. The SP401212M is also well-suited for network appliances and telecommunications equipment requiring reliable active cooling to prevent component throttling. Its compact 40mm footprint allows for integration into tight server racks and medical instrumentation panels without compromising internal airflow paths.

Supplemental Images

