

G0825C12B9PP-39 Nidec 12VDC 80x80x25mm Waterproof Axial Fan Datasheet



Brand: Nidec

SKU: [774770341970](#)

Category: Axial & Centrifugal Fans

Price: **\$49.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/g0825c12b9pp-39-nidec-12vdc-80x80x25mm-waterproof-axial-fan>

Product Description

The Nidec G0825C12B9PP-39 is a precision-engineered DC axial fan designed for critical thermal management in industrial switching power supplies and server environments. Utilizing advanced motor technology and a durable ball bearing architecture, this unit ensures optimal rotational stability and reduced friction coefficients over extended operational lifecycles. The aerodynamic blade design minimizes turbulence while maximizing static pressure delivery, effectively lowering thermal impedance within high-density enclosures. Constructed with high-grade materials for structural rigidity, the G0825C12B9PP-39 offers reliable performance under demanding load conditions, making it a robust solution for systems requiring consistent airflow and ingress protection against environmental contaminants.

Model Number: G0825C12B9PP-39

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Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.39 A

Power: 4.68 W

Rated Speed: 4200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 60.0 CFM (101.9 m³/h / 1.70 m³/min)

Max. Static Pressure: 8.2 mmH₂O (80.4 Pa / 0.32 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 95 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 42.5 dB(A)

Ingress Protection: IP55 (Waterproof)

Speed Control: PWM / Tachometer Output

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: Lead Wires

Certifications: CE, TUV, UL, RoHS

The G0825C12B9PP-39 is engineered for integration into high-performance switching power supplies and industrial automation cabinets where moisture resistance is paramount. Its compact 80mm form factor allows the G0825C12B9PP-39 to fit seamlessly into server rack chassis, telecommunications rectifiers, and CNC control modules, providing essential cooling to prevent thermal throttling in sensitive electronic components.

Supplemental Images

