

08025DA-12P-FL-01 NMB 12VDC 80x80x25mm 0.80A Axial Fan Datasheet



Brand: NMB

SKU: [989144425687](#)

Category: Axial & Centrifugal Fans

Price: **\$18.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/08025da-12p-fl-01-nmb-12vdc-80x80x25mm-0-80a-axial-fan>

Product Description

The NMB 08025DA-12P-FL-01 is a high-performance Axial Fan engineered for demanding thermal management applications requiring substantial airflow and static pressure. Manufactured by MinebeaMitsumi, this unit features a precision-machined Dual Ball Bearing system that ensures exceptional rotational stability and minimizes friction, thereby extending operational longevity under continuous load. The 12VDC motor utilizes advanced electromagnetic design to optimize torque while maintaining low thermal impedance. Housed in a standard 80x80x25mm frame constructed for structural rigidity, the 08025DA-12P-FL-01 delivers reliable cooling performance. Its 3-wire configuration supports tachometer signal output, allowing for real-time speed monitoring in critical industrial systems.

Model Number: 08025DA-12P-FL-01

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.80 A

Power Consumption: 9.60 W

Rated Speed: 5500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 65.0 CFM (110.4 m³/h / 1.84 m³/min)

Max. Static Pressure: 14.0 mmH₂O (137.2 Pa / 0.55 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 110 g

Life Expectancy: 70,000 Hours @ 40°C

Termination: 3-Wire Lead

Signal Output: Tachometer (FG Signal)

Noise Level: 48.0 dBA

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Insulation Resistance: 10M Ohm at 500VDC

Dielectric Strength: 700VAC for 1 sec

This cooling solution is specifically designed for high-density electronic enclosures, including server racks and telecommunications equipment where heat dissipation is critical. The 08025DA-12P-FL-01 is frequently integrated into industrial automation control panels and power supply units requiring consistent airflow to prevent thermal throttling. Additionally, the 08025DA-12P-FL-01 serves as a vital component in medical instrumentation and CNC machinery, ensuring component stability through efficient forced convection cooling.

Supplemental Images

