

08025DA-12P-FL-04 NMB 12VDC 80x80x25mm 3-Wire Axial Fan Datasheet



Brand: NMB

SKU: [998445746675](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Page:

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Product Description

The NMB 08025DA-12P-FL-04 is a high-performance DC Axial Fan engineered by MinebeaMitsumi for critical thermal management applications. This unit utilizes a precision-machined Dual Ball Bearing architecture, ensuring reduced friction coefficients and extended operational service life under continuous load. The aerodynamic impeller design optimizes airflow delivery while maintaining structural rigidity against back-pressure. Operating at 12VDC with a current draw of 0.80A, this cooling solution delivers substantial static pressure, making it ideal for high-density electronic enclosures where thermal impedance must be minimized. The robust frame construction meets rigorous industrial standards for vibration resistance and reliability.

Model Number: 08025DA-12P-FL-04

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.80 A

Input Power: 9.60 W

Rated Speed: 5500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 70.6 CFM (120.0 m³/h / 2.0 m³/min)

Max. Static Pressure: 12.7 mmH₂O (124.5 Pa / 0.50 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 110 g

Life Expectancy: 70,000 Hours at 40°C

Termination: 3-Wire Leads

Signal Output: Tachometer (FG Signal)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Noise Level: 49.0 dBA

Direction of Rotation: Clockwise

Mounting Orientation: Any

The 08025DA-12P-FL-04 is specifically designed for demanding industrial environments requiring rapid heat dissipation. Common deployment scenarios include server rack cooling, telecommunications base stations, and power supply ventilation where consistent airflow is paramount. The 08025DA-12P-FL-04 also serves effectively in CNC machinery control panels and medical instrumentation, ensuring sensitive components remain within safe operating temperature ranges to prevent thermal throttling or hardware failure.

Supplemental Images

