

08025SA-12N-ET-02 NMB 12VDC 80x80x25mm 3-Wire Axial Fan Datasheet



Brand: NMB

SKU: 853959056766

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 08025SA-12N-ET-02 is a precision-engineered DC Axial Fan designed to meet the rigorous thermal management demands of industrial power electronics. Built by MinebeaMitsumi, this unit integrates advanced motor technology with a high-stability bearing architecture to ensure consistent rotational performance and reduced mechanical friction. The aerodynamic impeller is calibrated to deliver a substantial volumetric airflow of 41.3 CFM while maintaining a balanced static pressure profile, effectively overcoming system impedance in dense component layouts. Featuring a robust frame construction that minimizes vibrational resonance, the fan operates at a low acoustic signature of 30dBA. This component is critical for maintaining thermal equilibrium in continuous-duty applications, offering a high ratio of airflow to power consumption.

Model Number: 08025SA-12N-ET-02

Brand: NMB (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Rated Current: 0.18 A

Power Consumption: 1.68 W

Rated Speed: 3100 RPM

Max. Air Flow: 41.3 CFM (70.17 m³/h)

Max. Static Pressure: 3.81 mmH₂O (37.4 Pa / 0.15 inH₂O)

Noise Level: 30 dBA

Dimensions: 80 x 80 x 25 mm

Termination: 3-Wire Leads with XH-3Y 2.54mm Connector

Bearing Type: Precision Bearing System

Housing Material: Reinforced Plastic (UL94V-0)

Mounting Orientation: Any

Operating Temperature: -10°C to +70°C

Application: Photovoltaic Power Supply, Inverter Cabinets

The 08025SA-12N-ET-02 is specifically optimized for deployment in photovoltaic power supply units and inverter cabinet cooling systems where reliable heat dissipation is mandatory for system stability. Its standard 80mm form factor allows for seamless integration into server racks, telecommunications equipment, and industrial automation enclosures requiring efficient airflow. By preventing thermal throttling in sensitive power conversion electronics, the 08025SA-12N-ET-02 ensures the longevity and operational efficiency of renewable energy hardware and precision instrumentation.

Supplemental Images

