

08038RA-24P-FA-02 NMB 24VDC 80x80x38mm Axial Fan Datasheet



Brand: NMB

SKU: [1035628377331](#)

Category: Axial & Centrifugal Fans

Price: **\$22.99**

E-mail: sales@equipspares.com

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Product Page:

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Product Description

NMB 08038RA-24P-FA-02 is a 24VDC 80x80x38mm Axial Fan optimized for high-density thermal management in industrial power electronics. This unit features a brushless DC motor architecture paired with a precision dual ball bearing system to minimize thermal impedance and ensure long-term structural rigidity under continuous duty cycles. The aerodynamic impeller design is engineered to overcome significant backpressure, delivering a robust 0.50A current draw and high RPM performance to maintain optimal junction temperatures. With its 12.0W power rating, this fan provides the necessary static pressure to penetrate tightly packed component arrays, making it a critical component for maintaining system stability in demanding environments.

Model Number: 08038RA-24P-FA-02

Brand: NMB Technologies

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.50 A

Power: 12.0 W

Rated Speed: 6300 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 74.1 CFM (2.10 m³/min)

Max. Static Pressure: 165 Pa (0.66 inH₂O)

Dimensions: 80 x 80 x 38 mm

Weight: 180 g

Life Expectancy: 70,000 Hours (L10 at 40°C)

Noise Level: 51.0 dB

Housing Material: Plastic (Black) UL94V-0

Blade Material: Plastic (Black) UL94V-0

Termination: 2-Lead Wires

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Insulation Resistance: 10M Ohm min. at 500VDC

Protection: Auto Restart, Polarity Protection

08038RA-24P-FA-02 Applications

1. Industrial VFD Cooling: Engineered to overcome the high system impedance found in variable frequency drive enclosures, ensuring power modules remain within safe operating temperatures.
2. 2U Rackmount Servers: The 38mm depth and high-torque motor provide the necessary static pressure for high-density replacement fan applications in server chassis where airflow is restricted by internal components.
3. Telecom Power Supplies: Ideal for ruggedized outdoor telecom rectifiers requiring high-reliability components capable of sustained high-speed operation in fluctuating thermal conditions.

Supplemental Images

