

08038RA-24R-GU-02 NMB 24VDC 80x80x38mm Axial Fan Datasheet



Brand: NMB

SKU: 1030765391108

Category: Axial & Centrifugal Fans

Price: \$16.99

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/08038ra-24r-gu-02-nmb-24vdc-80x80x38mm-axial-fan>

Product Description

The NMB 08038RA-24R-GU-02 is a 24VDC 80x80x38mm Axial Fan optimized for high-density thermal management in environments with significant system impedance. This DC brushless fan utilizes a sophisticated dual ball bearing architecture to ensure structural rigidity and extended service life under continuous duty cycles. Engineered with high-performance aerodynamic impellers, the unit delivers a robust 1.10A current draw to generate the necessary static pressure required for forced-air cooling in restricted enclosures. The integrated 4-wire interface supports precise speed control and monitoring, effectively reducing thermal impedance while maintaining operational efficiency in mission-critical hardware.

Model Number: 08038RA-24R-GU-02

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 1.10 A

Power: 26.4 W

Rated Speed: 10000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 102.4 CFM (2.90 m³/min)

Max. Static Pressure: 350 Pa (1.40 inH₂O)

Dimensions: 80 x 80 x 38 mm

Weight: 210 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM Control / Tachometer Output

Termination: 4-Wire Lead Wires (15cm)

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

08038RA-24R-GU-02 Applications

1. Industrial VFD Control Cabinets: The high static pressure profile is engineered to overcome the resistance of dense internal components and dust filters in variable frequency drives.
2. 2U Rackmount Server Chassis: Optimized for high-velocity airflow through narrow heat sinks, making it an ideal replacement fan for maintaining thermal equilibrium in high-compute environments.
3. Telecom Power Supplies: Provides reliable active cooling for high-wattage rectifiers where low-vibration and high-MTBF (Mean Time Between Failures) are critical for network uptime.

Supplemental Images

