

05015SS-24R-WL-D2 NMB-MAT 24VDC 50x50x15mm DC Axial Fan Datasheet



Brand: NMB

SKU: 941154456818

Category: Axial & Centrifugal Fans

Price: \$12.99

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/05015ss-24r-wl-d2-nmb-mat-24vdc-50x50x15mm-dc-axial-fan>

Product Description

The NMB-MAT 05015SS-24R-WL-D2 is a precision-engineered DC Axial Fan designed for critical thermal management in compact industrial enclosures. Utilizing advanced Double Ball Bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load. The 50mm frame integrates an optimized impeller geometry that balances static pressure with airflow, effectively reducing thermal impedance in high-density electronics. Constructed with high-grade materials for structural rigidity, the motor assembly delivers consistent torque while maintaining low vibration profiles. This specific configuration operates on a 24VDC platform, making it suitable for robust industrial power grids requiring reliable aerodynamic performance.

Model Number: 05015SS-24R-WL-D2

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.12 A

Power: 2.88 W

Rated Speed: 6500 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 16.2 CFM (27.5 m³/h)

Max. Static Pressure: 5.8 mmH₂O (56.9 Pa)

Dimensions: 50 x 50 x 15 mm

Weight: 25 g

Life Expectancy: 60,000 Hours @ 40°C

Termination: 2-Wire Lead (Red +, Black -)

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection: Locked Rotor Protection

Origin: China

The 05015SS-24R-WL-D2 is engineered for demanding applications where space is limited but airflow cannot be compromised, such as in 1U server racks, compact power supply units, and industrial automation controllers. Its robust design allows it to function reliably in CNC machinery control panels and telecommunications equipment requiring continuous duty cycles. Integrators frequently select the 05015SS-24R-WL-D2 for its balance of size and thermal efficiency, ensuring critical components remain within safe operating temperature ranges in enclosed environments.

Supplemental Images

