

1608VL-05W-B49-BR1 NMB-MAT 24VDC 40x40x20mm Sensor Axial Fan Datasheet



Brand: NMB

SKU: [949440579964](#)

Category: Axial & Centrifugal Fans

Price: **\$38.99**

E-mail: sales@equipspares.com

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Product Description

The NMB-MAT 1608VL-05W-B49-BR1 is a precision-engineered DC axial fan designed for critical thermal management in industrial electronics. Utilizing MinebeaMitsumi's advanced dual ball bearing architecture, this unit minimizes frictional coefficients to ensure extended operational longevity and reduced acoustic signatures. The aerodynamic impeller design optimizes static pressure delivery within compact enclosures, effectively lowering thermal impedance in high-density circuitry. Constructed with a robust PBT housing, it offers superior structural rigidity and resistance to environmental stressors, making it an ideal solution for continuous-duty applications requiring reliable forced-air convection.

Model Number: 1608VL-05W-B49-BR1

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24V DC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.07 A

Input Power: 1.68 W

Rated Speed: 7500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 8.8 CFM (14.95 m³/h / 0.25 m³/min)

Max. Static Pressure: 5.8 mmH₂O (56.8 Pa / 0.23 inH₂O)

Dimensions: 40 x 40 x 20 mm

Weight: 25 g

Life Expectancy: 60,000 Hours at 25°C

Noise Level: 29.0 dB(A)

Termination: 3-Wire Lead with Connector

Sensor Type: Locked Rotor Sensor (BR1)

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

Insulation Resistance: 10M Ohm Min. at 500VDC

Dielectric Strength: 700VAC for 1 Second

Protection: Current Limit, Reverse Polarity

Mounting Orientation: Any

This cooling unit is specifically calibrated for integration into Fanuc control systems and industrial automation interfaces where consistent thermal regulation is paramount. The 1608VL-05W-B49-BR1 ensures optimal operating temperatures for sensitive CNC logic boards and servo drive components, preventing thermal throttling during intensive machining cycles. Additionally, the 1608VL-05W-B49-BR1 is suitable for deployment in server rack spot cooling, telecommunications equipment, and precision medical instrumentation requiring a compact yet high-static pressure airflow solution.

Supplemental Images

