

3110KL-04W-B49-BR2 NMB-MAT 12VDC 80x80x25mm Axial Fan Datasheet



Brand: NMB

SKU: [919365687967](#)

Category: Axial & Centrifugal Fans

Price: **\$13.99**

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Product Description

The NMB-MAT 3110KL-04W-B49-BR2 is a precision-engineered Axial Fan designed for critical thermal management applications requiring sustained reliability and efficiency. Utilizing advanced DC brushless motor technology paired with NMB's proprietary dual ball bearing architecture, this unit minimizes frictional coefficients while maximizing rotational stability and operational lifespan. The aerodynamic impeller design optimizes airflow delivery against system impedance, ensuring efficient heat dissipation in high-density enclosures. Constructed with a reinforced UL94V-0 plastic frame, it offers superior structural rigidity and vibration damping, making it an ideal solution for industrial environments demanding low thermal impedance and continuous duty cycles under varying load conditions.

Model Number: 3110KL-04W-B49-BR2

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.26 A

Input Power: 3.12 W

Rated Speed: 3250 RPM

Max. Air Flow: 38.8 CFM (1.10 m³/min)

Max. Static Pressure: 3.8 mmH₂O (37.2 Pa / 0.15 inH₂O)

Bearing Type: Dual Ball Bearing

Dimensions: 80mm x 80mm x 25mm

Weight: 95 g

Noise Level: 34.0 dB(A)

Life Expectancy: 100,000 Hours at 25°C

Termination: 3-Wire Leads

Sensor Type: Locked Rotor Alarm / Tachometer Signal

Housing Material: Plastic (Black) UL94V-0

Impeller Material: Plastic (Black) 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: Auto Restart / Polarity Protection

Mounting: Ribbed Flange

This cooling solution is engineered for integration into demanding electronic assemblies such as server rack enclosures, telecommunications switching gear, and industrial automation control panels. The 3110KL-04W-B49-BR2 provides consistent airflow necessary for maintaining optimal operating temperatures in power supply units and medical instrumentation. By mitigating thermal hotspots, the 3110KL-04W-B49-BR2 ensures the longevity and performance stability of sensitive semiconductor components within compact chassis environments.

Supplemental Images

