

3110KL-05W-B50-PQ1 NMB 24VDC 0.15A 80x80x25mm Axial Fan Datasheet



Brand: NMB

SKU: 1000002375205

Category: Axial & Centrifugal Fans

Price: \$16.99

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Product Page:

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Product Description

The NMB 3110KL-05W-B50-PQ1 is a high-precision Axial Fan engineered for demanding industrial environments requiring consistent thermal management. This unit utilizes a brushless DC motor architecture paired with a dual ball bearing system to minimize thermal impedance and ensure long-term structural rigidity. Its aerodynamic impeller design is optimized for high static pressure efficiency, allowing for effective heat dissipation in restricted airflow paths. The robust construction and precision-engineered components reflect NMB's commitment to reliability, making it a critical component for maintaining optimal operating temperatures in sensitive electronic assemblies.

Model Number: 3110KL-05W-B50-PQ1

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Product Type: Axial Fan

Rated Voltage: 24VDC

Voltage Range: 10.0 - 27.6 VDC

Rated Current: 0.15A

Power: 3.6W

Rated Speed: 3250 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 38.1 CFM (64.7 m³/h / 1.08 m³/min)

Max. Static Pressure: 4.48 mmH₂O (44.0 Pa / 0.18 inH₂O)

Dimensions: 80x80x25 mm

Weight: 95g

Life Expectancy: 70,000 Hours (25°C)

Noise Level: 34.0 dB

Housing Material: Plastic (Black) UL94V-0

Blade Material: Plastic (Black) UL94V-0

Termination: 2 Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Insulation Resistance: 10M Ohm min. at 500VDC

This axial cooling solution is primarily deployed in frequency converters, power supply units, and various industrial automation controllers. The 3110KL-05W-B50-PQ1 provides essential localized cooling for internal circuitry, ensuring that the 3110KL-05W-B50-PQ1 maintains system stability during continuous duty cycles in server racks and telecommunications infrastructure.

Supplemental Images

