

3110KL-04W-B50-P00 NMB-MAT 12VDC 80x80x25mm 0.30A Axial Fan Datasheet



Brand: NMB

SKU: [686549574789](#)

Category: Axial & Centrifugal Fans

Price: **\$19.99**

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Product Description

The NMB-MAT 3110KL-04W-B50-P00 is a precision-engineered DC Axial Fan designed for critical thermal management in industrial environments. Utilizing advanced MinebeaMitsumi motor technology, this unit features a robust Dual Ball Bearing architecture that significantly reduces friction and enhances rotational stability, ensuring prolonged operational service life. The aerodynamic impeller design optimizes airflow dynamics to minimize thermal impedance while maintaining structural rigidity under high-speed operation. Engineered for reliability, this 12VDC cooling solution delivers consistent static pressure performance, making it an ideal component for maintaining thermal equilibrium in sensitive electronic enclosures and power conversion systems.

Model Number: 3110KL-04W-B50-P00

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.30 A

Input Power: 3.60 W

Rated Speed: 3400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 40.2 CFM (68.3 m³/h / 1.14 m³/min)

Max. Static Pressure: 5.4 mmH₂O (53.0 Pa / 0.21 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 95 g

Life Expectancy: 100,000 Hours (at 25°C)

Noise Level: 39.0 dB-A

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Termination: 2-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection: Auto Restart / Polarity Protection

Ingress Protection: Waterproof Design

This high-reliability cooling solution is specifically engineered for demanding industrial applications, including variable frequency drive (VFD) inverters and power supply units where consistent airflow is paramount. The 3110KL-04W-B50-P00 excels in server rack ventilation and telecommunications equipment, providing necessary thermal dissipation to prevent component throttling. Additionally, the 3110KL-04W-B50-P00 is frequently utilized in CNC machinery control panels and medical instrumentation, ensuring continuous operation in environments requiring robust ingress protection and sustained aerodynamic performance.

Supplemental Images

