

3110KL-04W-B50-J00 NMB 12VDC 80x80x25mm Axial Fan Datasheet



Brand: NMB

SKU: [1011324361098](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Description

The NMB 3110KL-04W-B50-J00 is a precision-engineered axial cooling fan designed for high-reliability thermal management in demanding industrial applications. Utilizing advanced DC motor technology and a robust dual ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes airflow efficiency while maintaining a low thermal impedance profile, making it suitable for sensitive electronic enclosures. Constructed with structural rigidity in mind, the frame resists vibration, ensuring stable performance in diverse operating environments. The fan features a UL94V-0 rated plastic housing and impeller, providing essential fire resistance and safety compliance.

Model Number: 3110KL-04W-B50-J00

Brand: NMB (MinebeaMitsumi)

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.30 A

Input Power: 3.60 W

Rated Speed: 3250 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 38.8 CFM (1.10 m³/min)

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

Dimensions: 80 x 80 x 25 mm

Weight: 95 g

Noise Level: 34.0 dB(A)

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

Termination: 2-Wire Lead

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: Current Blocking Function, Reverse Polarity Protection

Insulation Resistance: 10M Ω or over with a DC500V Megger

Dielectric Strength: AC 700V 1s

Designed for versatility and durability, the 3110KL-04W-B50-J00 is frequently deployed in critical thermal regulation systems such as server rack enclosures, industrial power supply units, and telecommunications equipment. Its compact 80mm form factor allows for seamless integration into CNC machinery control panels and medical diagnostic devices where space is at a premium but airflow cannot be compromised. The 3110KL-04W-B50-J00 also serves as a reliable component for custom DIY electronics projects requiring sustained cooling performance.

Supplemental Images

