

3108NL-05W-B50-PQ1 NMB 24VDC 0.19A 80x80x20mm Axial Fan Datasheet



Brand: NMB

SKU: 702690516687

Category: Axial & Centrifugal Fans

Price: \$21.99

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Product Page:

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Product Description

The NMB 3108NL-05W-B50-PQ1 is a high-precision DC Axial Fan engineered for demanding industrial thermal management. Utilizing advanced brushless DC motor technology and a dual ball bearing architecture, this unit provides exceptional structural rigidity and low thermal impedance. The aerodynamic impeller design is optimized for efficient laminar airflow, ensuring stable pressure characteristics even in high-impedance environments. Its robust construction and precision-engineered components are designed to maintain long-term operational stability, making it a reliable solution for critical cooling applications where downtime must be minimized through superior mechanical endurance.

Model Number: 3108NL-05W-B50-PQ1

Brand: NMB (MinebeaMitsumi)

Product Type: Axial Fan

Rated Voltage: 24VDC

Voltage Range: 10.0 - 27.6 VDC

Rated Current: 0.19A

Power: 4.56W

Rated Speed: 3400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 38.1 CFM (1.08 m³/min)

Max. Static Pressure: 42.2 Pa (0.17 inH₂O)

Dimensions: 80x80x20mm

Weight: 85g

Life Expectancy: 50,000 Hours at 25°C

Noise Level: 36.0 dB

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 2-Wire Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

The 3108NL-05W-B50-PQ1 is primarily utilized in high-density power electronics and industrial automation systems, such as frequency converters and variable speed drives. Given its compact 80x80x20mm profile, the 3108NL-05W-B50-PQ1 is an ideal choice for cooling server rack components, telecommunications hardware, and medical diagnostic equipment where space and reliability are paramount.

Supplemental Images

