

3110KL-05W-B80-EQ1 NMB 24VDC 80x80x25mm 0.23A Axial Fan Datasheet



Brand: NMB

SKU: [1000911823566](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/3110kl-05w-b80-eq1-nmb-24vdc-80x80x25mm-0-23a-axial-fan>

Product Description

The NMB 3110KL-05W-B80-EQ1 is a DC Axial Fan engineered by MinebeaMitsumi for critical thermal management applications requiring sustained airflow and structural rigidity. This unit utilizes NMB's proprietary precision machined dual ball bearing architecture, which significantly reduces friction coefficients and extends operational longevity under continuous load. The aerodynamic profile of the impeller is optimized to minimize turbulence while maximizing static pressure capabilities, ensuring efficient heat dissipation in high-impedance enclosures. Constructed with UL94V-0 rated reinforced plastic, the fan offers robust resistance to thermal stress and vibration, making it an ideal solution for industrial environments demanding high reliability and low thermal impedance.

Model Number: 3110KL-05W-B80-EQ1

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.23 A

Input Power: 5.52 W

Rated Speed: 4250 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 53.0 CFM (90.0 m³/h / 1.50 m³/min)

Max. Static Pressure: 8.4 mmH₂O (82.4 Pa / 0.33 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 95 g

Noise Level: 47.0 dB(A)

Life Expectancy: 100,000 Hours (25°C / 65% RH)

Frame Material: Reinforced Plastic (UL94V-0)

Impeller Material: Reinforced Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: 2-Wire with Connector

Ingress Protection: IP40 (Standard)

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

Dielectric Strength: AC700V 1s

Motor Protection: Auto Restart / Polarity Protection

Rotation Direction: Clockwise (viewed from label side)

Airflow Direction: Air Out Over Struts

The 3110KL-05W-B80-EQ1 is specifically designed for integration into high-density electronic assemblies such as variable frequency drives (VFDs), industrial inverters, and server rack enclosures. Its compact 80mm footprint allows for seamless installation in space-constrained chassis where efficient forced convection is mandatory to prevent component throttling. Additionally, the 3110KL-05W-B80-EQ1 is frequently utilized in telecommunications equipment and medical instrumentation, providing consistent cooling performance necessary for 24/7 operation.

Supplemental Images

