

2406KL-04W-B49-B00 NMB 12VDC 60x60x15mm 0.17A Axial Fan Datasheet



Brand: NMB

SKU: 957337529169

Category: Axial & Centrifugal Fans

Price: \$13.99

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Product Description

The NMB 2406KL-04W-B49-B00 is a precision-engineered DC Axial Fan designed by MinebeaMitsumi (NMB-MAT) for critical thermal management applications. This unit features an advanced aerodynamic impeller design housed within a reinforced UL94V-0 plastic frame, ensuring structural rigidity and optimal airflow dynamics. Utilizing NMB's proprietary Dual Ball Bearing technology, the motor assembly minimizes friction and heat generation, significantly lowering thermal impedance while extending operational service life. The fan is engineered for consistent performance in industrial environments, offering a high static pressure to airflow ratio suitable for densely packed electronic enclosures.

Model Number: 2406KL-04W-B49-B00

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12V DC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.17 A

Power Consumption: 2.04 W

Rated Speed: 4600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 18.3 CFM (31.1 m³/h / 0.52 m³/min)

Max. Static Pressure: 4.1 mmH₂O (40.2 Pa / 0.16 inH₂O)

Dimensions: 60x60x15 mm

Weight: 45 g

Life Expectancy: 100,000 Hours @ 25°C

Noise Level: 34.0 dBA

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Termination: 3-Wire Lead

Sensor Type: Locked Rotor Sensor / Tachometer Signal

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Insulation Resistance: 10M Ω min. @ 500VDC

Dielectric Strength: 700VAC for 1 second

Protection: Polarity Protection, Auto Restart

The 2406KL-04W-B49-B00 is specifically optimized for forced-air cooling in industrial electronics, making it an ideal choice for variable frequency drive (VFD) inverters and power supply units. Its compact 60mm footprint allows for integration into space-constrained server racks, telecommunications equipment, and medical instrumentation where reliability is paramount. By maintaining stable operating temperatures, the 2406KL-04W-B49-B00 ensures the longevity and efficiency of sensitive components in continuous-duty cycles.

Supplemental Images

