

4715KL-04W-B46-S03 NMB-MAT 12VDC 120x120x38mm PWM Axial Fan Datasheet



Brand: NMB

SKU: [674054314602](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Description

The NMB-MAT 4715KL-04W-B46-S03 is a high-efficiency Axial Fan engineered for demanding thermal management applications requiring robust airflow and reliability. Utilizing advanced DC brushless motor technology paired with a precision-machined double ball bearing system, this unit ensures minimal friction and extended operational longevity under continuous duty cycles. The impeller design is aerodynamically optimized to reduce thermal impedance while maintaining high static pressure capabilities, effectively overcoming resistance in dense electronic enclosures. Constructed with a reinforced frame for structural rigidity and vibration dampening, the 4715KL-04W-B46-S03 delivers consistent cooling performance, making it an ideal solution for systems requiring reliable heat dissipation and long-term stability.

Model Number: 4715KL-04W-B46-S03

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.90 A

Power Consumption: 10.8 W

Rated Speed: 3600 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 118.0 CFM (200.5 m³/h / 3.34 m³/min)

Max. Static Pressure: 8.2 mmH₂O (80.4 Pa / 0.32 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 260 g

Life Expectancy: 100,000 Hours @ 25°C

Noise Level: 50.0 dBA

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead

Housing Material: Plastic (Black) UL94V-0

Impeller Material: Plastic (Black) UL94V-0

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection: Locked Rotor Protection, Reverse Polarity Protection

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

Dielectric Strength: AC 700V 1s

Designed for critical cooling environments, the 4715KL-04W-B46-S03 excels in high-density server racks and telecommunications enclosures where sustained airflow is paramount. Its robust construction allows for seamless integration into industrial automation equipment, CNC machinery, and power supply units subject to variable thermal loads. By maintaining optimal operating temperatures, the 4715KL-04W-B46-S03 safeguards sensitive electronic components against overheating, ensuring system stability in medical devices and network storage arrays.

Supplemental Images

