

BM6023-04W-B49-LB1 NMB 12VDC 60x23mm Projector Blower Fan Datasheet



Brand: NMB

SKU: [773859172548](#)

Category: Axial & Centrifugal Fans

Price: **\$29.99**

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Product Description

The NMB BM6023-04W-B49-LB1 is a precision-engineered centrifugal blower designed for high-impedance thermal management systems. Utilizing advanced DC brushless motor technology, this unit delivers concentrated airflow with significant static pressure, essential for overcoming the resistance found in dense optical assemblies like projectors. The construction features NMB's proprietary bearing architecture, ensuring reduced friction coefficients and extended operational service life. Its aerodynamic impeller design optimizes air intake and exhaust efficiency, maintaining thermal stability while minimizing acoustic resonance. This component is built to withstand continuous operation, providing structural rigidity and reliable heat dissipation in restricted enclosures.

Model Number: BM6023-04W-B49-LB1

Brand: NMB (MinebeaMitsumi)

Product Type: Centrifugal Blower Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.20 A

Power Consumption: 2.40 W

Rated Speed: 4500 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 5.6 CFM (9.5 m³/h / 0.15 m³/min)

Max. Static Pressure: 14.5 mmH₂O (142 Pa / 0.57 inH₂O)

Dimensions: 60mm x 60mm x 23mm

Weight: 45 g

Life Expectancy: 50,000 Hours at 40°C

Noise Level: 36.0 dB(A)

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Termination: 3-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Speed Control: Tachometer Output

Motor Protection: Locked Rotor Protection; Reverse Polarity Protection

Mounting Orientation: Any

Application: Projector Lamp Cooling

Designed primarily for optical projection equipment, the BM6023-04W-B49-LB1 ensures critical cooling for lamps and LCD/DLP panels where space is limited and backpressure is high. This blower is frequently integrated into multimedia projectors, server rack spot cooling solutions, and compact industrial workstations. The BM6023-04W-B49-LB1 excels in directing airflow through heatsinks and exhaust ducts, preventing thermal throttling in sensitive electronic components.

Supplemental Images

