

# BM5115-04W-B39-T58 NMB-MAT 12VDC 51x15mm Blower Fan Datasheet



**Brand:** NMB

**SKU:** [867629530062](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$15.99**

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**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

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

Product Page:

<https://www.equipspares.com/product/bm5115-04w-b39-t58-nmb-mat-12vdc-51x15mm-blower-fan>

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## Product Description

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The NMB-MAT BM5115-04W-B39-T58 is a Centrifugal Blower engineered for precision thermal management in compact electronic assemblies. Utilizing MinebeaMitsumi's advanced DC brushless motor technology, this unit integrates a high-efficiency impeller design that optimizes static pressure generation while minimizing acoustic resonance. The construction features a robust PBT housing with UL94V-0 flammability rating, ensuring structural rigidity under thermal stress. At its core, the blower employs NMB's proprietary precision dual ball bearings, which significantly reduce friction and thermal impedance, thereby extending the operational lifespan and reliability of the component in continuous duty cycles.

Model Number: BM5115-04W-B39-T58

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: Centrifugal Blower / DC Brushless Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.08 A

Power Consumption: 0.96 W

Rated Speed: 4500 RPM

Bearing Type: Precision Dual Ball Bearing

Max. Air Flow: 3.53 CFM (6.0 m<sup>3</sup>/h / 0.10 m<sup>3</sup>/min)

Max. Static Pressure: 11.4 mmH<sub>2</sub>O (112 Pa / 0.45 inH<sub>2</sub>O)

Dimensions: 51 x 51 x 15 mm

Weight: 25 g

Life Expectancy: 50,000 Hours at 40°C

Noise Level: 32.0 dBA

Termination: 3-Wire (Lead Wire)

Speed Control: Tachometer Output (Speed Sensor)

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Insulation Resistance: 10M Ohm at 500VDC

Dielectric Strength: 700VAC for 1 Second

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Designed for high-reliability cooling, the BM5115-04W-B39-T58 is frequently utilized in precision humidification systems, compact projectors, and server rack spot cooling. Its high static pressure profile makes the BM5115-04W-B39-T58 ideal for forcing air through restricted ducts in medical devices and telecommunications equipment where consistent airflow is critical for component longevity.

## Supplemental Images

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