

# BM5115-05W-B40-TA1 NMB-MAT 24VDC 51x15mm Blower Fan Datasheet



**Brand:** NMB

**SKU:** [672821212072](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$14.99**

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Product Page:

<https://www.equipspares.com/product/bm5115-05w-b40-ta1-nmb-mat-24vdc-51x15mm-blower-fan>

## Product Description

The NMB-MAT BM5115-05W-B40-TA1 is a precision-engineered DC Centrifugal Blower designed for applications requiring concentrated airflow and high static pressure in compact environments. Manufactured by MinebeaMitsumi, this unit integrates advanced aerodynamic impeller geometry with a robust dual ball bearing architecture, ensuring minimal friction and extended operational longevity under continuous loads. The motor assembly utilizes efficient DC brushless technology to optimize thermal impedance and reduce electromagnetic interference. Its structural rigidity is maintained through a reinforced plastic housing, making it suitable for compact electronic environments where thermal management is critical. The design balances high rotational speed with acoustic stability, delivering reliable cooling performance in restricted spaces.

Model Number: BM5115-05W-B40-TA1

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Centrifugal Blower

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.13 A

Power Consumption: 3.12 W

Rated Speed: 5400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 4.24 CFM (7.2 m<sup>3</sup>/h / 0.12 m<sup>3</sup>/min)

Max. Static Pressure: 12.5 mmH<sub>2</sub>O (122.5 Pa / 0.49 inH<sub>2</sub>O)

Dimensions: 51 x 51 x 15 mm

Weight: 30 g

Life Expectancy: 50,000 Hours @ 40°C

Termination: 2-Wire Lead

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Noise Level: 38.0 dBA

Direction of Rotation: Counter-clockwise (Viewed from Impeller)

The BM5115-05W-B40-TA1 is specifically engineered for compact thermal solutions where directional airflow is paramount, such as in high-lumen projectors and optical equipment. Its compact form factor allows for seamless integration into tight enclosures found in telecommunications equipment and small-scale server racks. By delivering consistent static pressure, the BM5115-05W-B40-TA1 effectively dissipates heat from sensitive components like LED arrays and power supply units, preventing thermal throttling in continuous-duty industrial and consumer electronics.

## Supplemental Images

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