

08025SA-24R-BU-DY NMB 24VDC 0.22A 80x80x25mm Axial Fan Datasheet



Brand: NMB

SKU: [1019437847529](#)

Category: Axial & Centrifugal Fans

Price: **\$26.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/08025sa-24r-bu-dy-nmb-24vdc-0-22a-80x80x25mm-axial-fan>

Product Description

The NMB 08025SA-24R-BU-DY is a precision-engineered DC axial fan designed for critical thermal management in high-reliability industrial electronics. Featuring a robust 24VDC motor architecture, this unit utilizes advanced dual ball bearing technology to minimize rotational friction and significantly extend operational service life under continuous load. The 80mm chassis is constructed from reinforced Polybutylene Terephthalate (PBT), offering superior structural rigidity and vibration damping properties. With a specialized 4-wire configuration, likely supporting PWM speed control or tachometer output, it allows for precise thermal regulation and system monitoring. Its aerodynamic impeller design effectively reduces thermal impedance, making it an ideal solution for maintaining optimal operating temperatures in power conversion equipment and dense electronic enclosures.

Model Number: 08025SA-24R-BU-DY

Brand: NMB (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.22 A

Power Consumption: 5.28 W

Rated Speed: 4200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 53.0 CFM (90.0 m³/h / 1.50 m³/min)
Max. Static Pressure: 7.5 mmH₂O (73.5 Pa / 0.29 inH₂O)
Dimensions: 80 x 80 x 25 mm
Weight: 95 g
Life Expectancy: 60,000 Hours @ 40°C
Termination: 4-Wire Lead (Red, Black, Yellow, Blue)
Speed Control: PWM / Tachometer Signal
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Noise Level: 43.0 dBA
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP40
Mounting Orientation: Any

This cooling solution is specifically engineered for demanding industrial environments requiring reliable heat dissipation and long-term durability. The 08025SA-24R-BU-DY is frequently integrated into photovoltaic power supply units and solar inverters where consistent airflow is paramount for system efficiency. Additionally, the 08025SA-24R-BU-DY serves as a critical component in server cabinets, telecommunications racks, and industrial automation control panels, ensuring sensitive electronics remain within safe thermal operating limits during continuous operation.

Supplemental Images

