

08025SA-12R-BL-D1 NMB 12VDC 80x80x25mm 0.50A Axial Fan Datasheet



Brand: NMB

SKU: [923214006748](#)

Category: Axial & Centrifugal Fans

Price: **\$18.99**

E-mail: sales@equipspares.com

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Product Page:

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Product Description

The NMB 08025SA-12R-BL-D1 is a precision-engineered DC Axial Fan designed for critical thermal management in industrial environments. Featuring advanced aerodynamic blade geometry, this unit optimizes airflow while maintaining structural rigidity under high static pressure conditions. The motor assembly utilizes dual ball bearings to ensure longevity and stable operation, significantly reducing thermal impedance within the system. Equipped with a 3-wire interface including a locked rotor alarm signal and waterproof protection, it delivers reliable performance in demanding applications requiring consistent cooling and status monitoring.

Model Number: 08025SA-12R-BL-D1

Brand: NMB (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.50 A

Input Power: 6.00 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: 6.8 mmH₂O (66.7 Pa / 0.27 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 95 g

Life Expectancy: 100,000 Hours at 25°C

Noise Level: 43.0 dB(A)

Speed Control: Locked Rotor Alarm Sensor (D1)

Ingress Protection: Waterproof (Conformal Coating)

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: 3-Wire Leads

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

The 08025SA-12R-BL-D1 is engineered for high-reliability sectors such as telecommunications, server rack cooling, and industrial automation systems. Its robust waterproof design makes it particularly suitable for outdoor enclosures or environments subject to moisture and dust. Integrators rely on the 08025SA-12R-BL-D1 for its precise alarm signaling, which prevents catastrophic overheating by alerting control systems immediately upon fan failure.

Supplemental Images

