

06025SA-12R-BT-D6 NMB 12VDC 60x60x25mm 3-Wire Axial Fan Datasheet



Brand: NMB

SKU: 833675120010

Category: Axial & Centrifugal Fans

Price: \$15.99

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Product Page:

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Product Description

The NMB 06025SA-12R-BT-D6 is a precision-engineered Axial Fan designed for critical thermal management applications requiring high reliability and consistent performance. Utilizing advanced DC brushless motor technology, this unit ensures optimal rotational stability and reduced electromagnetic interference during operation. The integrated Dual Ball Bearing architecture significantly enhances longevity and minimizes frictional heat generation, contributing to a lower thermal impedance profile compared to sleeve bearing alternatives. Its aerodynamic impeller design maximizes static pressure capabilities while maintaining structural rigidity under high-speed operation, making it an ideal solution for demanding industrial and server environments where airflow efficiency is paramount.

Model Number: 06025SA-12R-BT-D6

Brand: NMB (NMB-MAT)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.31 A

Input Power: 3.72 W

Rated Speed: 5200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 26.5 CFM (45.0 m³/h / 0.75 m³/min)
Max. Static Pressure: 7.1 mmH₂O (69.6 Pa / 0.28 inH₂O)
Dimensions: 60 x 60 x 25 mm
Weight: 65 g
Life Expectancy: 60,000 Hours (L10 at 40°C)
Noise Level: 38.0 dB(A)
Housing Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Termination: 3-Wire Leads
Wire Designation: Red (+), Black (-), White (Signal)
Speed Control: Tachometer Output
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Safety Certifications: UL, CSA, TUV, CE

Designed for high-density electronic enclosures, the 06025SA-12R-BT-D6 excels in server rack cooling and telecommunications equipment where space is limited but heat dissipation requirements are stringent. This model is frequently integrated into industrial automation control panels, CNC machinery, and power supply units to maintain optimal operating temperatures. The 06025SA-12R-BT-D6 is also suitable for network switches and storage arrays, ensuring component reliability through continuous, high-volume airflow delivery in 24/7 operational environments.

Supplemental Images

