06025SA-12R-BT-D5 NMB 12VDC 60x60x25mm 3-Wire Axial Fan Datasheet

Brand: NMB

SKU: 999239181089

Category: Axial & Centrifugal Fans

Price: **$14.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/06025sa-12r-bt-d5-nmb-12vdc-60x60x25mm-3-wire-axial-fan

Product Description

The NMB 06025SA-12R-BT-D5 is a precision-engineered DC Axial Fan designed for critical thermal management applications requiring high reliability. Manufactured by MinebeaMitsumi (NMB), this unit features a robust dual ball bearing architecture that ensures long-term operational stability and reduced mechanical friction compared to sleeve bearing alternatives. The aerodynamic impeller design optimizes airflow while maintaining structural rigidity under high-speed operation, effectively lowering thermal impedance in dense electronic enclosures. With a rated input of 12VDC and 0.31A, it delivers consistent cooling performance, making it an ideal solution for maintaining component longevity in industrial environments.

Model Number: 06025SA-12R-BT-D5
Brand: NMB-MAT (MinebeaMitsumi)
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.2 VDC
Rated Current: 0.31 A
Input Power: 3.72 W
Rated Speed: 5600 RPM
Max. Air Flow: 26.5 CFM (45.0 m^3/h / 0.75 m^3/min)
Max. Static Pressure: 7.8 mmH_2O (76.5 Pa / 0.31 inH_2O)

Noise Level: 38.0 dB(A)
Bearing Type: Dual Ball Bearing
Dimensions: 60 x 60 x 25 mm
Weight: 65 g
Life Expectancy: 100,000 Hours at 25°C
Termination: 3-Wire Lead
Speed Control: Tachometer Output (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
Ingress Protection: IP40
Safety Certifications: UL, CSA, TUV, VDE

The 06025SA-12R-BT-D5 is engineered for high-reliability environments requiring sustained airflow and pressure. Common deployment scenarios include cooling variable frequency drives (VFDs) and industrial inverters where heat dissipation is critical for efficiency. It is also widely utilized in server chassis, telecommunication power supplies, and automation control cabinets. The compact 60mm footprint of the 06025SA-12R-BT-D5 allows for integration into space-constrained electronic assemblies, ensuring optimal operating temperatures for sensitive semiconductors and power components.

Supplemental Images


NMB U
3240821
MODEL
06025SA-12Q-BT
12V ⎓ DC 0.26A
EP
D5
MADE IN CAMBODIA
+: RED, −: BLACK