

06025SA-12K-BT-DY NMB 12VDC 60x60x25mm Silent Axial Fan Datasheet



Brand: NMB

SKU: 999231929934

Category: Axial & Centrifugal Fans

Price: **\$25.99**

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Product Description

The NMB 06025SA-12K-BT-DY is a precision-engineered Axial Fan designed for critical thermal management applications requiring a balance between airflow efficiency and acoustic performance. Utilizing a high-efficiency DC brushless motor paired with a robust Ball Bearing architecture, this unit minimizes frictional losses and ensures exceptional longevity under continuous operation. The aerodynamic impeller design is optimized to reduce turbulence and noise generation, effectively lowering thermal impedance within dense electronic enclosures. Constructed with a flame-retardant PBT housing, the fan offers superior structural rigidity and environmental resistance, ensuring reliable operation in demanding industrial and commercial settings.

Model Number: 06025SA-12K-BT-DY

Brand: NMB (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Operating Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.08 A

Input Power: 0.96 W

Rated Speed: 3200 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 14.1 CFM (24.0 m³/h)

Max. Static Pressure: 3.2 mmH₂O (31.4 Pa)

Dimensions: 60x60x25mm

Noise Level: 24.0 dB(A)

Termination: 3-Wire Leads with Connector

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Life Expectancy: 60,000 Hours (at 40°C)

Ingress Protection: IP40

Weight: 65 g

The 06025SA-12K-BT-DY is specifically calibrated for deployment in variable frequency drives (inverters), compact server chassis, and precision industrial instrumentation. Due to its optimized acoustic profile, the 06025SA-12K-BT-DY is also frequently utilized in medical devices and telecommunications equipment where maintaining a quiet operating environment is as critical as preventing component overheating.

Supplemental Images

