

06056EA-12T-E6D-2 NMB 12VDC 60x60x56mm 6.3A Axial Fan Datasheet



Brand: NMB

SKU: 1007952375371

Category: Axial & Centrifugal Fans

Price: \$17.99

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Product Description

The NMB 06056EA-12T-E6D-2 is a high-performance DC Axial Fan engineered for mission-critical thermal management applications requiring exceptional static pressure and airflow capabilities. Utilizing advanced DC brushless motor technology housed within a robust 60x60x56mm frame, this unit operates at a rated 12VDC with a substantial current draw of 6.3A, resulting in a power consumption of 75.6W. This high-power configuration indicates a design optimized for overcoming high system impedance, likely utilizing a counter-rotating impeller system or high-speed geometry. The fan features a precision-balanced impeller supported by dual ball bearings, ensuring long-term reliability, structural rigidity, and reduced vibrational noise under heavy load. Its aerodynamic profile is specifically calibrated to maximize airflow throughput, making it an ideal solution for dense electronic enclosures where thermal impedance is a primary concern.

Model Number: 06056EA-12T-E6D-2

Brand: NMB (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 6.3 A

Power Consumption: 75.6 W

Dimensions: 60 x 60 x 56 mm

Bearing Type: Dual Ball Bearing

Rated Speed: 16000 RPM (Estimated)

Max. Air Flow: 85.0 CFM (Estimated)

Max. Static Pressure: 3.5 inH₂O (Estimated)

Noise Level: 68.0 dBA

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Designed for high-density computing environments, the 06056EA-12T-E6D-2 excels in cooling 1U and 2U server racks where backpressure is significant due to tightly packed components. This unit is frequently deployed in telecommunications equipment, precision medical instrumentation, and industrial automation systems requiring forced air convection. The 06056EA-12T-E6D-2 ensures component longevity by effectively dissipating heat hotspots in power supply units and RAID arrays, maintaining optimal operating temperatures even under continuous peak load conditions.

Supplemental Images

