

2410ML-05W-B70-B00 NMB-MAT 24VDC 60x60x25mm Axial Fan Datasheet



Brand: NMB

SKU: [988426219025](#)

Category: Axial & Centrifugal Fans

Price: **\$13.99**

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Product Description

The NMB-MAT 2410ML-05W-B70-B00 is a precision-engineered DC axial fan designed to deliver superior thermal management in high-density industrial electronics. Featuring a robust dual ball bearing architecture, this unit minimizes frictional losses and significantly extends operational service life under continuous duty cycles. The aerodynamic impeller geometry is optimized to generate high static pressure, effectively overcoming system resistance to reduce thermal impedance within enclosed chassis. Built with a flame-retardant UL94V-0 plastic housing, the fan ensures structural rigidity and vibration dampening. This model integrates advanced motor technology to maintain consistent rotational stability, making it a critical component for maintaining system reliability in harsh operating environments.

Model Number: 2410ML-05W-B70-B00

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.25 A

Input Power: 6.00 W

Rated Speed: 6800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 33.5 CFM (56.9 m³/h / 0.95 m³/min)
Max. Static Pressure: 11.5 mmH₂O (112.7 Pa / 0.45 inH₂O)
Dimensions: 60 x 60 x 25 mm
Weight: 65 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 44.0 dB(A)
Housing Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Termination: 2-Wire Lead (Red +, Black -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Motor Protection: Auto Restart / Polarity Protection
Safety Certifications: UL, CSA, TUV, VDE

The 2410ML-05W-B70-B00 is specifically engineered for critical cooling tasks in industrial automation and power electronics, such as variable frequency drive (VFD) inverters and servo drive systems. Its compact 60mm form factor allows for seamless integration into server racks, telecommunications power supplies, and CNC control cabinets where space is limited but airflow requirements are high. By delivering concentrated airflow, the 2410ML-05W-B70-B00 effectively dissipates heat from sensitive semiconductors and heatsinks, ensuring equipment longevity and preventing thermal shutdown in continuous-operation scenarios.

Supplemental Images

