2006ML-05W-B50-L01 NMB 24VDC 50x50x15mm Axial Fan Datasheet

Brand: NMB

SKU: 758370148756

Category: Axial & Centrifugal Fans

Price: **$17.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/2006ml-05w-b50-l01-nmb-24vdc-50x50x15mm-axial-fan

Product Description

The NMB 2006ML-05W-B50-L01 is a precision-engineered DC Axial Fan designed for critical thermal management in industrial electronics. Featuring advanced dual ball bearing architecture, this unit ensures superior rotational stability and reduced friction coefficients, significantly extending operational service life under continuous loads. The aerodynamic impeller design optimizes airflow dynamics to minimize thermal impedance within high-density enclosures. Constructed with high-rigidity materials, the 2006ML-05W-B50-L01 maintains structural integrity in demanding environments, making it an ideal solution for maintaining optimal operating temperatures in sensitive power conversion equipment.

Model Number: 2006ML-05W-B50-L01
Brand: NMB (MinebeaMitsumi)
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.12 A
Input Power: 2.88 W
Rated Speed: 5300 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 14.1 CFM (24.0 m^3/h / 0.40 m^3/min)

Max. Static Pressure: 4.8 mmH_2O (47.1 Pa / 0.19 inH_2O)
Dimensions: 50 x 50 x 15 mm
Weight: 25 g
Life Expectancy: 60,000 Hours at 40°C
Noise Level: 36.0 dB(A)
Frame Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Termination: 3-Wire Leads
Sensor Type: L01 (Locked Rotor Sensor/Alarm)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP40
Safety Certifications: UL, CSA, TUV, CE

This electromechanical cooling solution is specifically engineered for deployment in variable frequency drives (VFDs) and power inverters where consistent heat dissipation is critical. The 2006ML-05W-B50-L01 excels in industrial automation control panels, server rack cooling modules, and precision medical instrumentation. By integrating the 2006ML-05W-B50-L01 into compact electronic assemblies, engineers ensure reliable thermal regulation for telecommunications equipment and CNC machinery, preventing thermal throttling and component degradation in continuous-duty cycles.

Supplemental Images