1608KL-04W-B50-L00 NMB-MAT 12VDC 40x40x20mm Axial Fan Datasheet

Brand: NMB

SKU: 653053015436

Category: Axial & Centrifugal Fans

Price: **$13.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/1608kl-04w-b50-l00-nmb-mat-12vdc-40x40x20mm-axial-fan

Product Description

The NMB-MAT 1608KL-04W-B50-L00 is a compact Axial Fan designed for high-density electronic cooling applications. Utilizing MinebeaMitsumi's precision Dual Ball Bearing technology, this unit ensures minimal friction and extended operational longevity under continuous load conditions. The aerodynamic impeller design optimizes airflow while maintaining structural rigidity, effectively managing thermal impedance in restricted spaces. Engineered with a UL94V-0 reinforced plastic housing, it provides reliable thermal dissipation for industrial and telecommunication equipment requiring consistent performance.

Model Number: 1608KL-04W-B50-L00
Brand: NMB-MAT (MinebeaMitsumi)
Product Type: Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 6.0 - 13.8 VDC
Rated Current: 0.15 A
Power: 1.80 W
Rated Speed: 8500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 9.5 CFM (16.1 m^3/h / 0.27 m^3/min)
Max. Static Pressure: 6.86 mmH_2O (67.3 Pa / 0.27 inH_2O)

Dimensions: 40 x 40 x 20 mm
Weight: 25 g
Life Expectancy: 60,000 Hours (at 25°C)
Noise Level: 33.0 dB(A)
Housing Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Termination: 2-Wire (Lead Wires)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Insulation Resistance: 10M Ohm min. at 500 VDC
Dielectric Strength: 700 VAC for 1 sec
Protection: Auto Restart / Polarity Protection

Designed for critical thermal management, the 1608KL-04W-B50-L00 excels in compact environments requiring reliable airflow. Common deployments include network switches, server rack cooling modules, and telecommunication base stations where space is at a premium. The 1608KL-04W-B50-L00 is also frequently utilized in industrial automation power supplies and medical instrumentation, ensuring components remain within safe operating temperatures during continuous duty cycles.

Supplemental Images