1604KL-04W-B39-B02 NMB-MAT 12VDC 40x40x10mm Axial Fan Datasheet

Brand: NMB

SKU: 891197845653

Category: Axial & Centrifugal Fans

Price: **$15.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/1604kl-04w-b39-b02-nmb-mat-12vdc-40x40x10mm-axial-fan

Product Description

The NMB-MAT 1604KL-04W-B39-B02 is a precision-engineered DC axial fan designed for high-reliability thermal management applications. Utilizing advanced MinebeaMitsumi motor technology, this unit features a robust dual ball bearing architecture that significantly reduces friction and enhances structural rigidity, ensuring a prolonged operational lifespan even under continuous load. The impeller geometry is optimized to minimize thermal impedance while maintaining consistent airflow delivery within compact enclosures. Constructed with UL94V-0 rated reinforced plastic, the fan offers superior resistance to environmental stress, making it an ideal solution for critical electronic cooling requirements where stability, low noise, and efficiency are paramount.

Model Number: 1604KL-04W-B39-B02
Brand: NMB-MAT (MinebeaMitsumi)
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 6.0 - 13.8 VDC
Rated Current: 0.09 A
Input Power: 1.08 W
Rated Speed: 4500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 5.3 CFM (9.0 m^3/h / 0.15 m^3/min)

Max. Static Pressure: 2.7 mmH_2O (26.5 Pa / 0.11 inH_2O)
Dimensions: 40 x 40 x 10 mm
Weight: 20 g
Life Expectancy: 60,000 Hours (at 25°C)
Noise Level: 22.0 dBA
Frame Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Ingress Protection: IP40
Insulation Class: Class E
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Termination: 3-Wire Lead (Red +, Black -, White/Yellow Sensor)
Sensor Type: Tachometer / Locked Rotor Signal
Mounting Orientation: Any
Motor Protection: Auto Restart / Polarity Protection
Certifications: UL, CSA, TUV, VDE, CE

Engineered for versatility, the 1604KL-04W-B39-B02 is frequently integrated into compact electronic assemblies requiring dependable heat dissipation. Common deployments include server rack cooling modules, telecommunications equipment, and precision medical devices where space is limited but airflow cannot be compromised. The 1604KL-04W-B39-B02 also serves effectively in industrial automation setups, such as CNC control panels and power supply units, ensuring sensitive components remain within optimal thermal operating limits during continuous operation.

Supplemental Images