

1608KL-01W-B49-L01 NMB 5VDC 40x40x20mm DC Axial Fan Datasheet



Brand: NMB

SKU: [997191242057](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/1608kl-01w-b49-l01-nmb-5vdc-40x40x20mm-dc-axial-fan>

Product Description

The NMB 1608KL-01W-B49-L01 is a precision-engineered DC Axial Fan designed for high-density electronic cooling applications requiring superior thermal impedance management. Utilizing advanced DC brushless motor technology paired with a durable dual ball bearing architecture, this unit ensures operational longevity and reduced frictional wear under continuous loads. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity within the compact 40mm frame. Constructed with UL94V-0 rated materials, it provides reliable performance in demanding industrial environments where consistent heat dissipation is critical for system stability.

Model Number: 1608KL-01W-B49-L01

Brand: NMB Technologies

Product Type: DC Axial Fan

Rated Voltage: 5 VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.34 A

Input Power: 1.70 W

Rated Speed: 8500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 9.5 CFM (16.1 m³/h / 0.27 m³/min)

Max. Static Pressure: 6.6 mmH₂O (64.7 Pa / 0.26 inH₂O)

Dimensions: 40 x 40 x 20 mm

Weight: 25 g

Life Expectancy: 60,000 Hours @ 25°C

Noise Level: 33.0 dB(A)

Housing Material: Plastic (PBT UL94V-0)

Impeller Material: Plastic (PBT UL94V-0)

Termination: 2-Wire Leads

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Motor Protection: Locked Rotor Protection, Reverse Polarity

The 1608KL-01W-B49-L01 is engineered for integration into compact electronic assemblies such as 1U server racks, telecommunications switching equipment, and precision medical instrumentation. Its compact form factor allows the 1608KL-01W-B49-L01 to fit seamlessly into tight enclosures where localized hotspot cooling is mandatory, ensuring component longevity in CNC control modules and network routers.

Supplemental Images

