

# 1604KL-01W-B49-L01 NMB 5VDC 0.16A 40x40x10mm Axial Fan Datasheet



**Brand:** NMB

**SKU:** [1013167776668](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$9.99**

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Product Page:

<https://www.equipspares.com/product/1604kl-01w-b49-l01-nmb-5vdc-0-16a-40x40x10mm-axial-fan>

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## Product Description

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The NMB 1604KL-01W-B49-L01 is a compact DC axial fan engineered by MinebeaMitsumi, representing the pinnacle of precision thermal management solutions. Designed with a robust double ball bearing architecture, this unit ensures exceptional rotational stability and prolonged operational lifespan, significantly outperforming sleeve bearing alternatives in continuous duty cycles. The aerodynamic impeller design optimizes airflow efficiency while minimizing acoustic resonance, making it an ideal solution for high-density electronic enclosures. With a low startup voltage and consistent torque delivery, this 40mm cooling solution maintains critical thermal impedance levels within safe operating limits for sensitive components, ensuring structural rigidity and reliability under thermal stress.

Model Number: 1604KL-01W-B49-L01

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 5 VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.16 A

Power Consumption: 0.80 W

Rated Speed: 5500 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 5.30 CFM (9.00 m<sup>3</sup>/h / 0.15 m<sup>3</sup>/min)  
Max. Static Pressure: 3.50 mmH<sub>2</sub>O (34.32 Pa / 0.14 inH<sub>2</sub>O)  
Dimensions: 40 x 40 x 10 mm  
Weight: 20 g  
Life Expectancy: 60,000 Hours @ 25°C  
Noise Level: 25.0 dBA  
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  
Motor Protection: Impedance Protection  
Polarity Protection: Reverse Polarity Protected  
Mounting Orientation: Any

This compact cooling solution is specifically engineered for networking and telecommunications equipment where space is at a premium. The 1604KL-01W-B49-L01 is frequently deployed in enterprise-grade routers, network switches, and modems to dissipate heat generated by processing chipsets. Additionally, the 1604KL-01W-B49-L01 serves as a critical component in small form factor (SFF) chassis, industrial control units, and embedded systems, ensuring reliable operation by preventing thermal throttling in confined environments.

## Supplemental Images

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