

1606KL-04W-B30-L21 NMB 12VDC 40x40x15mm 2-Wire Axial Fan Datasheet



Brand: NMB

SKU: 832300626047

Category: Axial & Centrifugal Fans

Price: \$13.99

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Product Page:

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Product Description

The NMB 1606KL-04W-B30-L21 is a compact axial cooling fan engineered for high-density electronic applications requiring reliable thermal management. This unit utilizes advanced DC motor technology paired with NMB's precision double ball bearing architecture, ensuring reduced friction and extended operational longevity under continuous loads. The aerodynamic impeller design optimizes airflow efficiency while maintaining a low noise profile, effectively minimizing thermal impedance within restricted enclosures. Constructed with structural rigidity in mind, the housing resists vibration and environmental stress, making it an ideal solution for critical industrial and telecommunications equipment requiring consistent heat dissipation and long-term durability.

Model Number: 1606KL-04W-B30-L21

Brand: NMB Technologies

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.09 A

Input Power: 1.08 W

Rated Speed: 6500 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 6.7 CFM (11.4 m³/h / 0.19 m³/min)

Max. Static Pressure: 4.4 mmH₂O (43.1 Pa / 0.17 inH₂O)

Dimensions: 40mm x 40mm x 15mm

Noise Level: 29.0 dBA

Weight: 25 g

Life Expectancy: 60,000 Hours @ 25°C

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

Protection: Auto Restart / Polarity Protection

Insulation Resistance: 10M Ohm Min. at 500VDC

Dielectric Strength: 700VAC for 1 sec

Mounting Orientation: Any

The 1606KL-04W-B30-L21 is specifically designed for compact electronic assemblies where space is at a premium but airflow cannot be compromised. Common deployment scenarios include cooling chipsets in server rackmount units, ventilating power supply units, and managing temperatures in small-form-factor industrial automation controllers. The 1606KL-04W-B30-L21 is also frequently utilized in network switches and telecommunications routers to prevent thermal throttling, ensuring sustained data transmission performance in 24/7 operational environments.

Supplemental Images

