

2406RL-04W-S59 NMB 12VDC 0.24A 60x60x15mm Axial Fan Datasheet



Brand: NMB

SKU: [657824862434](#)

Category: Axial & Centrifugal Fans

Price: **\$8.99**

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Product Page:

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Product Description

Summary

The NMB 2406RL-04W-S59 is a precision-engineered DC axial fan designed for applications requiring a balance between compact form factor and volumetric airflow efficiency. Manufactured by MinebeaMitsumi (NMB-MAT), this unit utilizes an advanced sleeve bearing architecture that ensures consistent rotational stability while minimizing acoustic resonance during operation. The aerodynamic impeller design is optimized to reduce thermal impedance in high-density electronic enclosures, providing reliable heat dissipation. Constructed with a durable housing that offers structural rigidity, the 2406RL-04W-S59 integrates a specialized motor drive circuit to maintain optimal torque and speed regulation under varying load conditions.

Model Number: 2406RL-04W-S59

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.24 A

Input Power: 2.88 W

Rated Speed: 4600 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 18.3 CFM (31.1 m³/h / 0.52 m³/min)
Max. Static Pressure: 4.2 mmH₂O (41.2 Pa / 0.16 inH₂O)
Dimensions: 60 x 60 x 15 mm
Weight: 45 g
Noise Level: 36.0 dBA
Termination: 3-Wire (Lead Wire)
Sensor Type: Tachometer Output (Speed Sensor)
Housing Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 30,000 Hours (at 25°C)
Mounting Orientation: Vertical / Horizontal
Ingress Protection: Standard IP20

Application

The 2406RL-04W-S59 is engineered for critical thermal management in compact industrial and consumer electronics. Frequently utilized in server rack cooling modules, network switchgear, and power supply units, this fan ensures component longevity by preventing thermal throttling. The 2406RL-04W-S59 is also suitable for medical instrumentation and small-form-factor automation equipment where space constraints prevent the use of larger cooling solutions, providing a reliable airflow stream to sensitive semiconductors and heat sinks.

Supplemental Images

