

# 06025UA-12M-CU-01 NMB 12VDC 60x60x25mm PWM Axial Fan Datasheet



**Brand:** NMB

**SKU:** 689555453336

**Category:** Axial & Centrifugal Fans

**Price:** **\$17.99**

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Product Page:

<https://www.equipspares.com/product/06025ua-12m-cu-01-nmb-12vdc-60x60x25mm-pwm-axial-fan>

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## Product Description

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The NMB 06025UA-12M-CU-01 is a precision-engineered Axial Fan designed for critical thermal management in harsh industrial environments. Utilizing advanced DC motor technology and a robust Dual Ball Bearing architecture, this unit ensures minimal thermal impedance and extended operational longevity under continuous load. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity against high static pressure requirements. Featuring 4-wire PWM intelligent speed control and specialized waterproof construction, it offers dynamic cooling regulation suited for challenging operating parameters. This component represents a balance of durability and performance, essential for maintaining system stability in high-density electronic assemblies.

Model Number: 06025UA-12M-CU-01

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.25 A

Input Power: 3.00 W

Rated Speed: 4200 RPM

Max. Air Flow: 23.5 CFM (0.67 m<sup>3</sup>/min)

Max. Static Pressure: 5.8 mmH<sub>2</sub>O (56.9 Pa / 0.23 inH<sub>2</sub>O)

Noise Level: 34.0 dB(A)

Bearing Type: Dual Ball Bearing

Dimensions: 60x60x25mm

Weight: 70 g

Life Expectancy: 100,000 Hours at 25°C

Speed Control: 4-Wire PWM (Pulse Width Modulation)

Ingress Protection: Waterproof (IP Rated)

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: 4-Wire Leads

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Protection: Locked Rotor Protection, Polarity Protection

The 06025UA-12M-CU-01 is specifically engineered for deployment in demanding industrial sectors such as telecommunications infrastructure and outdoor enclosure cooling where moisture resistance is critical. Its waterproof design makes it ideal for CNC machinery, automation systems, and power supply units exposed to environmental contaminants. By integrating the 06025UA-12M-CU-01 into server racks or medical devices, engineers can ensure reliable thermal dissipation, preventing component throttling and extending the service life of sensitive electronics in variable conditions.

## Supplemental Images

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