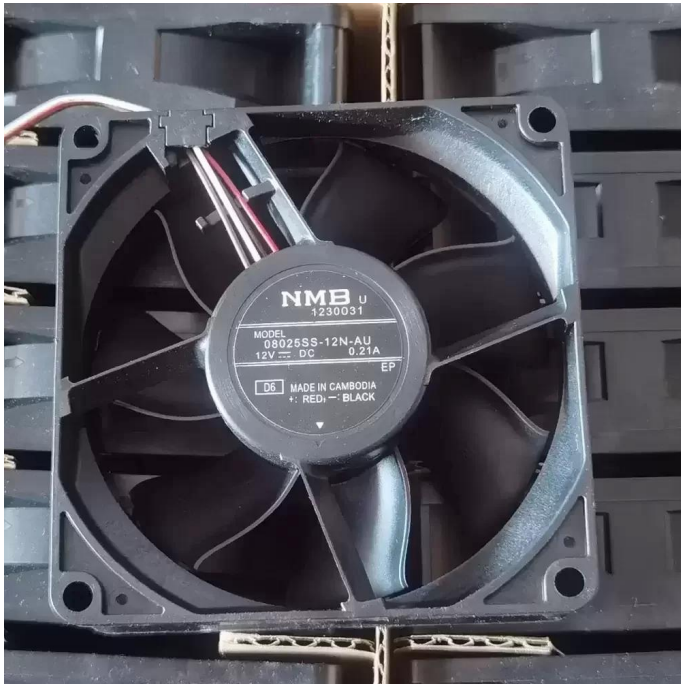


# 08025SS-12N-AU-D6 NMB-MAT 12VDC 80x80x25mm PWM Axial Fan Datasheet



**Brand:** NMB

**SKU:** [934623179766](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$14.99**

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

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Product Page:

<https://www.equipspares.com/product/08025ss-12n-au-d6-nmb-mat-12vdc-80x80x25mm-pwm-axial-fan>

## Product Description

The NMB-MAT 08025SS-12N-AU-D6 is a precision-engineered axial cooling fan designed for critical thermal management in industrial and server environments. Manufactured by MinebeaMitsumi, this unit leverages advanced aerodynamic blade geometry to minimize turbulence while maximizing static pressure delivery against high thermal impedance. The motor assembly integrates NMB's proprietary precision ball bearing technology, ensuring exceptional rotational stability and extended operational lifespan under continuous load. Featuring a 4-wire PWM control interface, the 08025SS-12N-AU-D6 allows for dynamic speed modulation, optimizing the balance between acoustic signature and cooling performance. Its robust PBT housing provides structural rigidity, making it suitable for high-vibration applications requiring reliable heat dissipation.

Model Number: 08025SS-12N-AU-D6

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.21 A

Power Consumption: 2.52 W

Rated Speed: 3400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 42.0 CFM (71.3 m<sup>3</sup>/h / 1.19 m<sup>3</sup>/min)  
Max. Static Pressure: 4.5 mmH<sub>2</sub>O (44.1 Pa / 0.18 inH<sub>2</sub>O)  
Dimensions: 80 x 80 x 25 mm  
Weight: 85 g  
Life Expectancy: 60,000 Hours at 40°C  
Speed Control: 4-Wire PWM  
Noise Level: 34.0 dB(A)  
Housing Material: PBT Plastic (UL94V-0)  
Impeller Material: PBT Plastic (UL94V-0)  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Termination: 4-Wire Lead  
Wire Configuration: Red (+), Black (-), Yellow (Tach), Blue (PWM)  
Ingress Protection: IP20  
Certifications: UL, CSA, TUV, CE

The 08025SS-12N-AU-D6 is engineered for high-reliability applications such as server chassis cooling, redundant power supply units, and telecommunications equipment where consistent airflow is paramount. Its compact 80mm form factor allows for seamless integration into 2U rackmount enclosures and industrial automation control panels. The PWM functionality of the 08025SS-12N-AU-D6 makes it particularly effective in variable-load scenarios, such as medical instrumentation and network switches, where precise temperature regulation is required to protect sensitive electronic components from thermal degradation.

## Supplemental Images

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