

09225SS-12N-AU-D1 NMB 12VDC 0.24A 92x92x25mm Axial Fan Datasheet



Brand: NMB

SKU: [734847451844](#)

Category: Axial & Centrifugal Fans

Price: **\$27.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/09225ss-12n-au-d1-nmb-12vdc-0-24a-92x92x25mm-axial-fan>

Product Description

The NMB 09225SS-12N-AU-D1 is a DC axial fan engineered for high-efficiency thermal management in precision electronics. Utilizing advanced motor commutation circuitry and a specialized sleeve bearing architecture, this unit minimizes thermal impedance while maintaining structural rigidity under continuous operation. The aerodynamic impeller design is optimized to reduce turbulence and acoustic output, ensuring stable airflow delivery. This model features a 4-wire configuration, enabling sophisticated speed control and system monitoring for mission-critical cooling requirements where reliability and precise thermal regulation are paramount.

Model Number: 09225SS-12N-AU-D1

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.24A

Power: 2.88W

Rated Speed: 3200 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 52.9 CFM (1.50 m³/min)

Max. Static Pressure: 4.2 mmH₂O (41.2 Pa)

Dimensions: 92x92x25mm

Weight: 95g

Life Expectancy: 40,000 Hours at 25°C

Speed Control: PWM (Pulse Width Modulation)

Monitoring Output: Tachometer / Frequency Generator

Noise Level: 36.0 dBA

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 4-Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Insulation Resistance: 10M Ohm min. at 500VDC

The 09225SS-12N-AU-D1 is specifically designed for integration into high-end projection systems and digital imaging equipment where precise temperature control is required. Given its 4-wire PWM capabilities, the 09225SS-12N-AU-D1 excels in server enclosures, medical diagnostic tools, and telecommunications hardware that demand dynamic cooling profiles. Its compact 92mm form factor allows for versatile mounting in industrial workstations and CNC control cabinets, providing consistent airflow to sensitive internal components.

Supplemental Images

