

09225VA-12M-GT-01 NMB 12VDC 92x92x25mm Waterproof Axial Fan Datasheet



Brand: NMB

SKU: [985489740027](#)

Category: Axial & Centrifugal Fans

Price: **\$11.99**

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Product Description

The NMB 09225VA-12M-GT-01 is a precision-engineered DC Axial Fan designed for critical thermal management in harsh industrial environments. Manufactured by MinebeaMitsumi, this unit integrates advanced aerodynamic blade geometry with a robust dual ball bearing architecture to minimize thermal impedance and extend operational service life under continuous load. The 92mm frame offers superior structural rigidity, while the motor assembly features specialized ingress protection, making it highly effective for high-humidity applications such as photovoltaic inverters. Operating at a rated voltage of 12VDC with a 0.40A current draw, it delivers consistent high-volume airflow with optimized static pressure capabilities, ensuring reliable heat dissipation for sensitive power electronics and outdoor equipment.

Model Number: 09225VA-12M-GT-01

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Operating Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.40 A

Input Power: 4.80 W

Rated Speed: 3400 RPM

Max. Air Flow: 58.0 CFM (98.5 m³/h / 1.64 m³/min)
Max. Static Pressure: 6.8 mmH₂O (66.7 Pa / 0.27 inH₂O)
Bearing Type: Dual Ball Bearing
Noise Level: 38.0 dB(A)
Dimensions: 92 x 92 x 25 mm
Weight: 110 g
Termination: 3-Wire Leads with Connector
Output Signal: Alarm Signal (Locked Rotor/Sensor)
Ingress Protection: Waterproof (IP Rated)
Frame Material: Reinforced PBT Plastic (UL94V-0)
Impeller Material: Reinforced PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 60,000 Hours @ 40°C
Mounting Orientation: Any

The 09225VA-12M-GT-01 is engineered for demanding industrial applications requiring robust environmental resistance and consistent cooling performance. It is extensively utilized in photovoltaic inverters and solar power conversion systems where moisture resistance and reliability are paramount. Additionally, the 09225VA-12M-GT-01 serves as a critical cooling component in outdoor telecommunications cabinets, industrial automation control panels, and heavy-duty power supply units, providing the necessary airflow to prevent thermal throttling in enclosed high-density electronics.

Supplemental Images

