

12038VA-48R-GM-01 NMB 48VDC 0.90A 120x120x38mm Axial Fan Datasheet



Brand: NMB

SKU: 1037907027077

Category: Axial & Centrifugal Fans

Price: \$19.99

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Product Page:

<https://www.equipspares.com/product/12038va-48r-gm-01-nmb-48vdc-0-90a-120x120x38mm-axial-fan>

Product Description

The NMB 12038VA-48R-GM-01 is a high-performance DC axial cooling fan featuring a 120 x 120 x 38 mm frame constructed from UL 94V-0 rated black plastic. Operating at a nominal 48 VDC, this unit draws 0.90 A to deliver a maximum airflow of 243.6 CFM and a static pressure of 1.49 inH₂O. The internal mechanism utilizes a dual ball bearing system to support a rotational speed of 6400 RPM while maintaining an operational life expectancy of 60,000 hours at 60 °C. The fan is equipped with a 3-wire interface providing power, ground, and a tachometer signal for precise speed monitoring, and includes integrated auto-restart and polarity protection.

12038VA-48R-GM-01 Specifications

Model Number: 12038VA-48R-GM-01

Brand: NMB Technologies

Product Category: DC Axial Fan

Rated Voltage: 48 VDC

Operating Voltage Range: 40.0 VDC to 52.8 VDC

Rated Current: 0.90 A

Rated Power: 43.2 W

Rated Speed: 6400 RPM

Maximum Airflow: 243.6 CFM

Maximum Static Pressure: 1.49 inH₂O

Noise Level: 66 dBA

Dimensions: 120 x 120 x 38 mm

Bearing Type: Dual Ball Bearing

Frame Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Termination: 3-Wire Leads (Red, Black, White)

Signal Output: Tachometer / Speed Sensor

Ingress Protection: IP68

Operating Temperature: -10 °C to +70 °C

Storage Temperature: -40 °C to +70 °C

Life Expectancy: 60,000 hours at 60 °C

Weight: 370 g

Protection Features: Auto Restart, Polarity Protection

12038VA-48R-GM-01 Applications

Primary applications include integration into high-density server racks, industrial power supply units, and telecommunications base stations. Deployed within CNC machine control cabinets, commercial inverter systems, and network storage enclosures to manage critical thermal loads.

Supplemental Images

