

09238RA-12M-FUD-Y NMB 12VDC 92x92x38mm PWM Axial Fan Datasheet



Brand: NMB

SKU: 998475858147

Category: Axial & Centrifugal Fans

Price: \$27.99

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Product Page:

<https://www.equipspares.com/product/09238ra-12m-fud-y-nmb-12vdc-92x92x38mm-pwm-axial-fan>

Product Description

The NMB 09238RA-12M-FUD-Y is a precision-engineered DC Axial Fan designed for high-static pressure environments requiring robust thermal management. Utilizing advanced DC motor technology paired with a durable Dual Ball Bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity, effectively reducing thermal impedance in dense electronic enclosures. Engineered for reliability, the 09238RA-12M-FUD-Y integrates Pulse Width Modulation (PWM) for dynamic speed control, allowing for precise thermal regulation and acoustic management in critical industrial applications.

Model Number: 09238RA-12M-FUD-Y

Brand: NMB (NMB-MAT / MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 1.50 A

Input Power: 18.0 W

Rated Speed: 5500 RPM (Estimated based on current)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 110.0 CFM (186.9 m³/h / 3.11 m³/min)

Max. Static Pressure: 18.5 mmH₂O (181.4 Pa / 0.73 inH₂O)

Dimensions: 92 x 92 x 38 mm

Weight: 210 g

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Leads

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Mounting Orientation: Any

Ingress Protection: Standard

The 09238RA-12M-FUD-Y is specifically engineered for demanding thermal environments such as high-performance computing clusters, variable frequency drives (VFDs), and industrial automation control panels. Its high-pressure output makes it ideal for forcing air through dense heatsinks found in server racks and power supply units. By integrating the 09238RA-12M-FUD-Y into mission-critical hardware, operators ensure consistent cooling performance, thereby protecting sensitive components like inverters and processors from thermal throttling or failure during peak operational cycles.

Supplemental Images

