

11925SA-12R-BM-01 NMB 12VDC 120x120x25mm PWM Axial Fan Datasheet



Brand: NMB

SKU: [923205754622](#)

Category: Axial & Centrifugal Fans

Price: **\$19.99**

E-mail: sales@equipspares.com

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Product Description

The NMB 11925SA-12R-BM-01 is a precision-engineered DC Axial Fan designed for critical thermal management in high-density electronic enclosures. Utilizing NMB's proprietary Minebea motor technology, this unit features a robust dual ball bearing architecture that ensures minimal friction coefficient and extended operational longevity under continuous load. The aerodynamic impeller design optimizes static pressure capabilities while maintaining structural rigidity, effectively reducing thermal impedance in restricted airflow environments. This 12VDC component integrates advanced 4-wire PWM speed control, allowing for dynamic duty cycle modulation to balance cooling performance with acoustic signatures.

Model Number: 11925SA-12R-BM-01

Brand: NMB-MAT (Minebea)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.86 A

Power: 10.32 W

Rated Speed: 3600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 114.7 CFM (194.8 m³/h / 3.24 m³/min)

Max. Static Pressure: 8.20 mmH₂O (80.41 Pa / 0.32 inH₂O)

Dimensions: 119mm x 119mm x 25mm

Weight: 210 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: 4-Wire PWM

Noise Level: 46.5 dBA

Housing Material: Polybutylene Terephthalate (PBT) UL94V-0

Impeller Material: Polybutylene Terephthalate (PBT) UL94V-0

Termination: 4-Wire Leads

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Motor Protection: Auto Restart / Polarity Protection

Insulation Resistance: 10M Ω or over with a DC500V Megger

Dielectric Strength: AC700V 1s

This high-static pressure cooling solution is engineered for deployment in demanding industrial and enterprise environments. The 11925SA-12R-BM-01 is frequently utilized in rack-mounted server chassis, telecommunications base stations, and precision medical instrumentation where consistent airflow is mandatory. Additionally, the 11925SA-12R-BM-01 serves as a critical component in CNC control cabinets and power supply units, ensuring thermal stability for sensitive electronic components during intensive operation cycles.

Supplemental Images

