12038VA-12R-BUE-2 NMB 12VDC 120x120x38mm PWM Axial Fan Datasheet

Brand: NMB

SKU: 924626482692

Category: Axial & Centrifugal Fans

Price: **$29.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/12038va-12r-bue-2-nmb-12vdc-120x120x38mm-pwm-axial-fan

Product Description

The NMB 12038VA-12R-BUE-2 is a high-performance DC Axial Fan engineered for critical thermal management in high-impedance systems. Featuring NMB's precision dual ball bearing architecture, this unit ensures exceptional longevity and rotational stability under high-load conditions. The aerodynamic impeller design maximizes static pressure delivery, making it ideal for overcoming resistance in densely packed enclosures. Integrated PWM control allows for precise speed modulation, optimizing the balance between thermal dissipation and acoustic performance while maintaining structural rigidity through its reinforced thermoplastic housing.

Model Number: 12038VA-12R-BUE-2
Brand: NMB-MAT (MinebeaMitsumi)
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Operating Voltage Range: 7.0 - 13.2 VDC
Rated Current: 3.60 A
Input Power: 43.2 W
Rated Speed: 5300 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 224.0 CFM (380.6 m^3/h / 6.34 m^3/min)
Max. Static Pressure: 26.5 mmH_2O (260 Pa / 1.04 inH_2O)

Dimensions: 120 x 120 x 38 mm
Weight: 370 g
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire Lead (Red/Black/Yellow/Blue)
Housing Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Life Expectancy: 70,000 Hours (40°C)
Mounting Orientation: Any
Ingress Protection: IP20

This high-static pressure unit is specifically designed for enterprise-grade hardware, including server racks, blade chassis, and telecommunications base stations where airflow must penetrate dense component arrays. The 12038VA-12R-BUE-2 excels in cooling high-wattage power supplies and industrial automation equipment requiring sustained thermal evacuation. By integrating the 12038VA-12R-BUE-2 into forced-air convection systems, operators ensure reliability in mission-critical environments.

Supplemental Images