12038VA-12R-BME-1 NMB 12VDC 120x120x38mm PWM Axial Fan Datasheet

Brand: NMB

SKU: 922836459680

Category: Axial & Centrifugal Fans

Price: **$32.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/12038va-12r-bme-1-nmb-12vdc-120x120x38mm-pwm-axial-fan

Product Description

The NMB 12038VA-12R-BME-1 is a specialized Axial Fan designed for high-density thermal management applications requiring exceptional airflow and static pressure. Engineered with precision Dual Ball Bearing architecture, this unit ensures minimal frictional resistance and enhanced longevity under continuous operation. The aerodynamic impeller design is optimized to overcome significant thermal impedance in restricted enclosures, maintaining structural rigidity even at high rotational velocities. Its robust DC motor integration supports Pulse Width Modulation (PWM) for precise speed regulation, balancing thermal efficiency with acoustic performance in critical industrial environments.

Model Number: 12038VA-12R-BME-1
Brand: NMB (MinebeaMitsumi)
Product Type: Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 3.60 A
Power: 43.2 W
Rated Speed: 5500 RPM (Estimated)
Bearing Type: Dual Ball Bearing
Max. Air Flow: 220.0 CFM (373.8 m^3/h / 6.23 m^3/min)

Max. Static Pressure: 28.5 mmH_2O (279.5 Pa / 1.12 inH_2O)
Dimensions: 120 x 120 x 38 mm
Weight: 370 g
Life Expectancy: 70,000 Hours @ 40°C
Speed Control: PWM (Pulse Width Modulation)
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Mounting Orientation: Any
Ingress Protection: IP20

The NMB 12038VA-12R-BME-1 is primarily deployed in high-performance computing environments such as server racks, blade chassis, and cryptocurrency mining rigs where heat dissipation is critical. Its high static pressure capabilities make the 12038VA-12R-BME-1 ideal for forcing air through dense heatsinks and radiator arrays found in telecommunications equipment and industrial automation control panels, ensuring component stability during peak operational loads.

Supplemental Images


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NMB
MODEL
12038VA-12R-BME
12V ⎓ DC 3.60A
EP
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MADE IN CHINA
+:RED,-:BLACK