

05125GS-12N-BAD-5 NMB 12VDC 50x50x25mm Centrifugal Blower Datasheet



Brand: NMB

SKU: [992442629331](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/05125gs-12n-bad-5-nmb-12vdc-50x50x25mm-centrifugal-blower>

Product Description

The NMB 05125GS-12N-BAD-5 is a precision-engineered Centrifugal Blower designed to deliver concentrated airflow in space-constrained industrial environments. Manufactured by MinebeaMitsumi, this unit integrates a robust DC motor architecture with a high-durability double ball bearing system, ensuring minimal friction and extended operational lifespan under continuous load. The aerodynamic impeller design optimizes static pressure capabilities while maintaining thermal impedance within critical limits. Constructed with structural rigidity to withstand vibration, the 05125GS-12N-BAD-5 offers reliable thermal management for sensitive electronics, utilizing a 2-wire termination interface for straightforward integration into existing power distribution networks.

Model Number: 05125GS-12N-BAD-5

Brand: NMB (MinebeaMitsumi)

Product Type: Centrifugal Blower

Rated Voltage: 12VDC

Operating Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.31 A

Input Power: 3.72 W

Rated Speed: 5500 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 4.59 CFM (7.8 m³/h / 0.13 m³/min)

Max. Static Pressure: 14.5 mmH₂O (142 Pa / 0.57 inH₂O)

Dimensions: 50 x 50 x 25 mm

Weight: 30 g

Noise Level: 36.0 dBA

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Termination: 2-Wire Lead (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 60,000 Hours at 25°C

Insulation Resistance: 10M Ohm at 500VDC

Dielectric Strength: 700VAC for 3 sec

Safety Certifications: UL, CSA, TUV, CE

The NMB 05125GS-12N-BAD-5 is frequently deployed in compact electronic assemblies where vertical airflow is restricted, necessitating a side-intake blower configuration. Common applications include cooling heatsinks in 1U server racks, ventilating projection equipment, and providing directed airflow for 3D printer extruders. The high static pressure of the 05125GS-12N-BAD-5 ensures effective heat dissipation through dense fin arrays in telecommunications equipment and industrial automation controllers, maintaining system stability in demanding thermal environments.

Supplemental Images

