

GB1205PKV1-8AY.F.GN Sunon 12VDC 50x50x20mm MagLev Blower Datasheet



Brand: SUNON

SKU: [710307922653](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/gb1205pkv1-8ay-f-gn-sunon-12vdc-50x50x20mm-maglev-blower>

Product Description

The Sunon GB1205PKV1-8AY.F.GN is a precision-engineered DC centrifugal blower designed for high-density thermal management applications. Utilizing Sunon's proprietary MagLev Vapo bearing technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing noise and extending operational lifespan while maintaining exceptional structural rigidity. The aerodynamic design of the impeller maximizes static pressure delivery, ensuring efficient airflow through restricted pathways. With a rated power of 1.5W and a 3-wire signal output, this blower offers reliable performance and monitoring capabilities, optimizing thermal impedance in compact electronic assemblies.

Model Number: GB1205PKV1-8AY.F.GN

Brand: Sunon

Product Type: DC Centrifugal Blower

Rated Voltage: 12VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.125 A

Power Consumption: 1.5 W

Rated Speed: 5200 RPM

Bearing Type: MagLev Vapo Bearing

Max. Air Flow: 5.7 CFM (9.68 m³/h / 0.16 m³/min)

Max. Static Pressure: 0.55 inH₂O (13.97 mmH₂O / 137 Pa)

Dimensions: 50x50x20mm

Weight: 33 g

Life Expectancy: 60,000 Hours at 40°C

Speed Control: Tachometer Output (F-Type)

Noise Level: 35.0 dBA

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Termination: 3-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP5X

Safety Certifications: UL, CUR, TUV, CE

The GB1205PKV1-8AY.F.GN is specifically engineered for applications requiring concentrated airflow in space-constrained environments, such as multimedia projectors and compact server chassis. Its high static pressure capabilities make the GB1205PKV1-8AY.F.GN ideal for forcing air through dense heatsinks and restricted ventilation ducts found in medical instrumentation and industrial automation equipment, ensuring critical components remain within safe operating temperature ranges.

Supplemental Images

