GB0555PDV1-A.13.B3713.F.GN Sunon 5VDC 55mm 4-Wire Blower Datasheet

Brand: SUNON

SKU: 670283157909

Category: Axial & Centrifugal Fans

Price: **$18.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/gb0555pdv1-a-13-b3713-f-gn-sunon-5vdc-55mm-4-wire-blower

Product Description

The Sunon GB0555PDV1-A.13.B3713.F.GN is a high-efficiency DC centrifugal blower designed for applications requiring concentrated airflow and elevated static pressure. Engineered with Sunon's proprietary MagLev (Magnetic Levitation) Vapo bearing technology, this unit eliminates direct physical contact between the rotor and bearing, significantly reducing friction, acoustic noise, and vibration while enhancing structural rigidity and longevity. The 55mm frame houses an aerodynamically optimized impeller that minimizes thermal impedance in dense electronic enclosures. Operating at a rated voltage of 5VDC with a power consumption of 1.1W, this 4-wire model supports advanced speed control and monitoring, ensuring precise thermal regulation for critical industrial and consumer electronics.

Model Number: GB0555PDV1-A.13.B3713.F.GN
Brand: Sunon
Product Type: DC Centrifugal Blower
Rated Voltage: 5 VDC
Voltage Range: 4.5 - 5.5 VDC
Rated Current: 0.22 A
Power Consumption: 1.1 W
Rated Speed: 4500 RPM
Bearing Type: MagLev Vapo Bearing

Max. Air Flow: 5.2 CFM (8.83 m^3/h)
Max. Static Pressure: 0.58 inH_2O (14.7 mmH_2O / 144 Pa)
Dimensions: 55 x 55 x 20 mm
Weight: 31 g
Life Expectancy: 60,000 Hours at 40°C
Termination: 4-Wire (Lead Wires)
Wire Function: Red (+), Black (-), Yellow (Tach/Sensor), Blue (PWM)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP5X (Dust Protected)
Noise Level: 34.5 dB(A)
Safety Certifications: UL, CUR, TUV, CE

The GB0555PDV1-A.13.B3713.F.GN is specifically utilized in compact electronic devices where space constraints prevent the use of traditional axial fans. It is widely deployed in portable projectors, laptop cooling modules, and compact server rack enclosures to direct airflow through heatsink fins with high resistance. Additionally, the GB0555PDV1-A.13.B3713.F.GN serves as a critical thermal management component in medical instrumentation and industrial automation control panels, where its 4-wire PWM capability allows for dynamic speed adjustment based on real-time thermal loads.

Supplemental Images