PSD1204PQB1-A.(2).B3421.F.GN Sunon 12VDC 40x40x28mm PWM Axial Fan Datasheet

Brand: SUNON

SKU: 990760486645

Category: Axial & Centrifugal Fans

Price: **$14.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/psd1204pqb1-a-2-b3421-f-gn-sunon-12vdc-40x40x28mm-pwm-axial-fan

Product Description

The Sunon PSD1204PQB1-A.(2).B3421.F.GN is a high-performance DC Axial Fan engineered for critical thermal management in high-density electronic enclosures. Utilizing advanced ball bearing architecture, this unit ensures exceptional structural rigidity and longevity even under continuous high-speed operation. The aerodynamic impeller design is optimized to deliver concentrated airflow, effectively lowering thermal impedance in restricted spaces. Integrated with Pulse Width Modulation (PWM) technology, the motor allows for precise speed regulation, enabling systems to dynamically balance cooling efficiency with power consumption and acoustic output.

Model Number: PSD1204PQB1-A.(2).B3421.F.GN
Brand: Sunon
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.2 - 13.8 VDC
Power: 2.6W
Rated Current: 0.217A
Rated Speed: 13000 RPM (Nominal)
Bearing Type: Ball Bearing

Max. Air Flow: 23.5 CFM (39.9 m^3/h / 0.66 m^3/min)
Max. Static Pressure: 0.92 inH_2O (229 Pa / 23.3 mmH_2O)
Dimensions: 40x40x28mm
Weight: 42g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire Lead
Wire Configuration: Red (+), Black (-), Yellow (Tach), Blue (PWM)
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Noise Level: 54.0 dB(A)
Safety Certifications: UL, CUR, TUV
Protection: Locked Rotor Protection, Polarity Protection

Designed specifically for 1U server applications and compact telecommunications hardware, the PSD1204PQB1-A.(2).B3421.F.GN provides the high static pressure necessary to overcome system resistance in densely packed chassis. Its robust construction makes it ideal for industrial automation controllers, network switches, and RAID storage arrays where reliability is paramount. By utilizing the PSD1204PQB1-A.(2).B3421.F.GN, engineers can ensure consistent thermal stability for mission-critical components.

Supplemental Images