

# PF36281B1-U00C-A99 SUNON 12VDC 36x36x28mm DC Axial Fan Datasheet



**Brand:** SUNON

**SKU:** 990185336411

**Category:** Axial & Centrifugal Fans

**Price:** **\$18.99**

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Product Page:

<https://www.equipspares.com/product/pf36281b1-u00c-a99-sunon-12vdc-36x36x28mm-dc-axial-fan>

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## Product Description

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The SUNON PF36281B1-U00C-A99 is a high-performance DC Axial Fan engineered for applications requiring exceptional static pressure and airflow concentration within a compact footprint. Utilizing advanced motor technology and a precision-balanced impeller, this unit delivers 5.4W of cooling power, making it suitable for high-impedance systems. The design incorporates a robust 2-Ball Bearing architecture, ensuring long-term reliability, reduced thermal impedance, and stability under continuous high-speed operation. Its aerodynamic blade geometry is optimized to overcome significant system resistance, maintaining structural rigidity and minimizing vibration. This fan is specifically calibrated for thermal management in tightly packed electronic enclosures where efficient heat dissipation is critical for component longevity.

Model Number: PF36281B1-U00C-A99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.45 A

Power Consumption: 5.40 W

Rated Speed: 17600 RPM

Bearing Type: 2-Ball Bearing

Max. Air Flow: 24.9 CFM (42.3 m<sup>3</sup>/h / 0.70 m<sup>3</sup>/min)  
Max. Static Pressure: 1.95 inH<sub>2</sub>O (485 Pa / 49.5 mmH<sub>2</sub>O)  
Dimensions: 36x36x28mm  
Weight: 46.0 g  
Noise Level: 58.0 dB(A)  
Frame Material: Thermoplastic PBT (UL94V-0)  
Impeller Material: Thermoplastic PBT (UL94V-0)  
Termination: 2-Wire Leads (Red +, Black -)  
Wire Gauge: 28 AWG  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Insulation Resistance: >10M Ohm at 500VDC  
Dielectric Strength: 500VAC for 1 Minute  
Safety Approvals: UL, CUR, TUV  
Protection: Auto Restart, Polarity Protection

The PF36281B1-U00C-A99 is primarily deployed in high-density computing environments, specifically 1U server racks and blade servers where space is strictly limited but cooling demands are extreme. Its high static pressure capabilities make it ideal for forcing air through dense heatsinks and restricted airflow channels found in telecommunications equipment and industrial power supplies. Additionally, the PF36281B1-U00C-A99 serves effectively in compact medical instrumentation and precision optical devices, ensuring stable operating temperatures for sensitive electronics.

## Supplemental Images

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