

PFC0384B1-Q101-S99 SUNON 48VDC 30.72W 120x120x38mm Axial Fan Datasheet



Brand: SUNON

SKU: [997832915055](#)

Category: Axial & Centrifugal Fans

Price: **\$23.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/pfc0384b1-q101-s99-sunon-48vdc-30-72w-120x120x38mm-axial-fan>

Product Description

The SUNON PFC0384B1-Q101-S99 is a high-performance DC axial fan engineered for mission-critical thermal management in dense electronic enclosures. Utilizing advanced DC motor technology and a precision dual ball bearing architecture, this unit ensures exceptional structural rigidity and operational longevity under continuous high-load conditions. The aerodynamic impeller design minimizes turbulence while maximizing airflow efficiency, effectively reducing thermal impedance in high-impedance systems. With a robust 30.72W power rating, it delivers substantial cooling performance, making it ideal for environments requiring rapid heat dissipation. The 4-wire configuration supports precise speed control and monitoring, integrating seamlessly into intelligent thermal regulation circuits for optimized energy consumption and acoustic performance.

Model Number: PFC0384B1-Q101-S99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 56.0 VDC

Power Input: 30.72 W

Rated Current: 0.64 A

Rated Speed: 5500 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 205.0 CFM (348.3 m³/h / 5.80 m³/min)

Max. Static Pressure: 26.5 mmH₂O (260 Pa / 1.04 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 330 g

Termination: 4-Wire Leads (Red +, Black -, Yellow Tach, Blue PWM)

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Ingress Protection: IP Rating Optional (Standard IP20)

Insulation Class: Class A

Noise Level: 62.0 dB(A)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Safety Certifications: UL, CUR, TUV, CE

Protection: Auto-Restart / Polarity Protection

Designed for high-density computing environments, the PFC0384B1-Q101-S99 excels in server rack cooling and telecommunications base stations where reliable airflow is paramount. This fan is frequently deployed in industrial automation cabinets, rectifiers, and power supply units that generate significant heat loads requiring forced convection. The PFC0384B1-Q101-S99 is also suitable for medical instrumentation and network switches, ensuring critical components remain within safe operating temperatures during peak processing tasks.

Supplemental Images

