

PF97331B1-B00C-S99 SUNON 12VDC 19.2W 97mm Centrifugal Blower Datasheet



Brand: SUNON

SKU: 1042043822723

Category: Axial & Centrifugal Fans

Price: **\$32.00**

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Product Description

SUNON PF97331B1-B00C-S99 is a 97 x 97 x 33 mm centrifugal blower operating at a nominal 12 VDC with a power consumption of 19.2 W. The unit features a thermoplastic PBT (UL94V-0) impeller and housing, utilizing a high-precision dual ball bearing system for extended operational life. It delivers a maximum airflow of 44.2 CFM and a static pressure of 3.39 Inch-H₂O at a rated speed of 5400 RPM. The electrical interface consists of a 4-wire lead system supporting PWM speed control and tachometer output, with an integrated brushless DC motor design.

PF97331B1-B00C-S99 Specifications

Model: PF97331B1-B00C-S99

Brand: SUNON

Category: Centrifugal Blower

Dimensions: 97 x 97 x 33 mm

Rated Voltage: 12 VDC

Operating Voltage Range: 6 to 13.8 VDC

Rated Current: 1.6 A

Rated Power: 19.2 W

Rated Speed: 5400 RPM

Airflow: 44.2 CFM

Static Pressure: 3.39 Inch-H₂O

Noise Level: 58.0 dBA

Bearing Type: Dual Ball Bearing

Interface: 4-wire (Red: +, Black: -, Yellow: FG, Blue: PWM)

Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10 to 70 °C

Storage Temperature: -40 to 70 °C

Weight: 184 g

Safety Approvals: UL, TUV, CE

Insulation Resistance: 10M ohm at 500 VDC

Dielectric Strength: 500 VAC for 1 minute

PF97331B1-B00C-S99 Applications

Primary applications include integration into server rack cooling systems, high-density telecommunications enclosures, and industrial power supply thermal management units. Deployed within medical diagnostic equipment, automated laboratory analyzers, and large-format 3D printer ventilation modules requiring concentrated high-pressure airflow.

Supplemental Images

