

PF60251BX-Q03C-S99 Sunon 12V 4.14W 6025 DC Axial Fan

SKU: PF60251BX-Q03C-S99

Price: \$13.29

Categories: Fans

Tags: SUNON

Product Link:

<https://www.electspares.com/product/pf60251bx-q03c-s99-sunon-12v-4-14w-6025-dc-axial-fan/>

Product Description

The Sunon PF60251BX-Q03C-S99 is a high-performance 12 V DC Industrial Axial Fan with dimensions of 60 x 60 x 25 mm, featuring a specialized 5-blade high-static pressure impeller designed for dense server and networking enclosures. Driven by a high-efficiency brushless DC motor with PWM speed control and a pulse sensor, this unit features a precise Rated Power of 4.14 W, delivering a Max. Air Flow of 61.7 m³/h (36.3 CFM) at a high rated speed of 8000 RPM. Constructed with a reinforced thermoplastic PBT frame and precision dual ball bearings, this 75.0 g unit ensures maximum mechanical stability and a reliable L10 service life of 70,000 hours at 40 °C. It is the definitive cooling solution for high-density blade servers and industrial power modules requiring concentrated airflow in a compact 12 V environment at the end.

PF60251BX-Q03C-S99 Fan Parameters

Model Number: PF60251BX-Q03C-S99

Manufacturer: Sunon

Type: DC Axial Fan

Series: PF Series (Powerful Fan)

Dimensions: 60 x 60 x 25 mm

Weight: 75.0 g

Bearing Type: Dual ball bearing

Nominal Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Starting Voltage: 6.0 VDC

Rated Current: 0.345 A

Max. Current Draw: 0.39 A

Max. Power Consumption: 4.14 W

Rated Speed: 8000 RPM

PWM Frequency: 20 kHz - 30 kHz (Typical 25 kHz)

PWM Duty Cycle: 0 - 100 %

Max. Air Flow: 36.3 CFM (61.7 m³/h / 1.03 m³/min)

Max. Static Pressure: 0.67 inH₂O (166.8 Pa / 17.02 mmH₂O)

Working Air Flow: 61.7 m³/h

Static Pressure Increase: 166.8 Pa

Sensor Type: Pulse sensor (Tachometer)

Motor Protection: Auto Restart; Polarity Protection

Insulation Class: Class A

Degree of Protection: IP20

Electrical Hookup: 4-Lead wires (Red: +, Black: -, Yellow: Sensor, Blue: PWM)

Number of Blades: 5 (High-static pressure profile)

Direction of Rotation: Counter-clockwise (viewed toward impeller)

Impeller Material: Thermoplastic PBT (UL 94V-0)

Frame Material: Thermoplastic PBT (UL 94V-0)

Sound Pressure Level: 44.5 dB(A)

Service Life (L10): 70,000 h (at 40 °C)

Operating Temperature: -10 - +70 °C

Standard Compliance: UL; TUV; CE; RoHS

Application

The Sunon PF60251BX-Q03C-S99 axial fan is the primary cooling component for server systems, high-speed networking switches, and industrial workstations requiring concentrated airflow and high static pressure in 12V DC environments.

Product Images









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