PFE0381BX-Q04C-S99 SUNON 12VDC 51.6W 140x38mm Axial Fan Datasheet

Brand: SUNON

SKU: 927327901033

Category: Axial & Centrifugal Fans

Price: **$20.99**

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Product Page:
https://www.equipspares.com/product/pfe0381bx-q04c-s99-sunon-12vdc-51-6w-140x38mm-axial-fan

Product Description

The SUNON PFE0381BX-Q04C-S99 is a high-performance axial cooling fan measuring 140 x 140 x 38 mm, engineered with a nominal voltage of 12 VDC and a high power consumption of 51.6 W. This unit features a robust dual ball bearing system and a 4-wire interface supporting Pulse Width Modulation (PWM) for precise speed control and an Auto Restart function for operational safety. Constructed with a thermoplastic PBT frame and impeller, the fan delivers a maximum airflow of 297.9 CFM and a static pressure of 1.18 inch-H2O at a peak rotational speed of 6800 RPM. The internal motor architecture utilizes SUNON's brushless DC technology, drawing a rated current of 4.3 A to maintain high-velocity thermal displacement in high-impedance environments.

PFE0381BX-Q04C-S99 Specifications
Model Number: PFE0381BX-Q04C-S99
Brand: SUNON
Dimensions: 140 x 140 x 38 mm
Rated Voltage: 12 VDC
Operating Voltage Range: 10.2 to 13.2 VDC
Rated Current: 4.3 A
Rated Power: 51.6 W
Rated Speed: 6800 RPM
Airflow: 297.9 CFM

Static Pressure: 1.18 inch-H2O
Noise Level: 70.3 dBA
Bearing Type: Dual Ball Bearing
Interface: 4-wire (Red: +, Black: -, Yellow: FG, Blue: PWM)
Control Function: PWM Speed Control
Safety Feature: Auto Restart
Frame Material: Thermoplastic PBT (UL 94V-0)
Impeller Material: Thermoplastic PBT (UL 94V-0)
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +70 °C
Weight: 472 g
Insulation Resistance: 10M ohm at 500 VDC
Dielectric Strength: 500 VAC for 1 minute

PFE0381BX-Q04C-S99 Applications

Primary applications include integration into high-density server racks, enterprise network switches, and industrial power inverter cabinets. Deployed within telecommunications base stations and CNC machine control enclosures to manage extreme thermal loads in high-pressure environments.

Supplemental Images