PF80381B1-Q211-S99 Sunon 12VDC 10.50W 80x80x38mm Axial Fan Datasheet

Brand: SUNON

SKU: 1030288563609

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/pf80381b1-q211-s99-sunon-12vdc-10-50w-80x80x38mm-axial-fan

Product Description

Sunon PF80381B1-Q211-S99 is an 80 x 80 x 38 mm high-performance axial fan operating at a nominal 12 VDC with a power consumption of 10.50 W. The unit features a dual ball bearing system and a 4-wire interface supporting Pulse Width Modulation (PWM) for precise speed regulation. Constructed with a thermoplastic PBT (UL 94V-0) frame and impeller, it delivers a maximum airflow of 103.9 CFM and a static pressure of 1.35 Inch-H2O at a rated speed of 10,000 RPM. The internal brushless DC motor includes auto-restart and polarity protection mechanisms.

PF80381B1-Q211-S99 Specifications
Model: PF80381B1-Q211-S99
Brand: Sunon
Category: DC Axial Fan
Dimensions: 80 x 80 x 38 mm
Rated Voltage: 12 VDC
Operating Voltage Range: 6 to 13.8 VDC
Rated Current: 0.875 A
Rated Power: 10.50 W
Rated Speed: 10,000 RPM
Airflow: 103.9 CFM
Static Pressure: 1.35 Inch-H2O

Noise Level: 59.5 dBA
Bearing Type: Dual Ball Bearing
Frame Material: Thermoplastic PBT (UL 94V-0)
Impeller Material: Thermoplastic PBT (UL 94V-0)
Interface: 4-wire (PWM, Tachometer)
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +70 °C
Weight: 175 g
Safety Approvals: UL, TUV, CE
Insulation Resistance: 10 M ohm at 500 VDC
Dielectric Strength: 500 VAC for 1 minute

PF80381B1-Q211-S99 Applications

Primary applications include integration into high-density server chassis, enterprise network switches, and industrial power supply units requiring active thermal management. Deployed within telecommunications base stations and CNC control cabinets to maintain optimal operating temperatures for high-wattage electronic components.

Supplemental Images