

PFC0381B1-Q18A-SE9 SUNON 12VDC 120x120x38mm Axial Fan Datasheet



Brand: SUNON

SKU: [974042685322](#)

Category: Axial & Centrifugal Fans

Price: **\$22.71**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/pfc0381b1-q18a-se9-sunon-12vdc-120x120x38mm-axial-fan>

Product Description

The SUNON PFC0381B1-Q18A-SE9 is a high-performance DC Axial Fan engineered for mission-critical thermal management systems. Utilizing advanced brushless DC motor technology and a precision-balanced impeller, this unit optimizes aerodynamic throughput while minimizing thermal impedance within high-density enclosures. The construction features a robust thermoplastic frame providing structural rigidity, housing a durable Double Ball Bearing system designed for continuous operation. With a high rotational speed of 6200 RPM, it delivers substantial static pressure and airflow, making it an ideal solution for demanding industrial and server cooling applications requiring reliable heat dissipation performance.

Model Number: PFC0381B1-Q18A-SE9

Brand: SUNON

Product Type: DC Axial Fan

Part Number: RD0190553109

Rated Voltage: 12 VDC

Rated Current: 0.81 A

Power: 9.66 W

Rated Speed: 6200 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 243.0 CFM (412.8 m³/h)

Dimensions: 120 x 120 x 38 mm

Frame Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Termination: Lead Wires

Application: Server/CPU Cooling

The PFC0381B1-Q18A-SE9 is specifically calibrated for high-density computing environments, including enterprise server racks and blade chassis systems. Its high airflow capacity ensures rapid thermal exchange for central processing units (CPUs) and power supply units under heavy load. Additionally, the PFC0381B1-Q18A-SE9 is suitable for industrial automation equipment and telecommunications cabinets where sustained cooling performance is critical to prevent thermal throttling and component degradation.

Supplemental Images

