

EFC0251B1-Q100-G99 SUNON 12VDC 120x120x25mm Axial Fan Datasheet



Brand: SUNON

SKU: [821615869884](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/efc0251b1-q100-g99-sunon-12vdc-120x120x25mm-axial-fan>

Product Description

The SUNON EFC0251B1-Q100-G99 is a high-efficiency DC Axial Fan engineered for critical thermal management applications requiring sustained airflow and reliability. This unit utilizes a precision Dual Ball Bearing architecture, ensuring reduced friction and extended operational lifespan under continuous load. The aerodynamic impeller design minimizes turbulence while maximizing static pressure, effectively lowering thermal impedance within dense electronic enclosures. Constructed with a robust thermoplastic frame, the fan maintains structural rigidity and dimensional stability, making it an optimal solution for industrial cooling systems where performance consistency is paramount.

Model Number: EFC0251B1-Q100-G99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.29 A

Power Consumption: 3.44 W

Rated Speed: 3100 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 108.2 CFM (183.8 m³/h / 3.06 m³/min)

Max. Static Pressure: 7.11 mmH₂O (69.7 Pa / 0.28 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 157 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 44.5 dBA

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP5X (Dust Protected)

Insulation Class: Class A

Motor Protection: Auto Restart / Polarity Protection

Termination: Lead Wires (UL1007, 24AWG)

Certifications: UL, CUR, TUV, CE

This cooling solution is specifically designed for integration into high-density server racks, telecommunications equipment, and industrial automation control panels where heat dissipation is critical. The EFC0251B1-Q100-G99 excels in environments requiring continuous duty cycles, such as network switches and power supply units. Additionally, the EFC0251B1-Q100-G99 is frequently utilized in medical instrumentation and CNC machinery, providing the necessary airflow to maintain optimal operating temperatures for sensitive electronic components.

Supplemental Images

