

EEC0251B1-000C-G99 Sunon 12VDC 120x120x25mm Axial Fan Datasheet



Brand: SUNON

SKU: 920932919714

Category: Axial & Centrifugal Fans

Price: \$19.99

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Product Page:

<https://www.equipspares.com/product/eec0251b1-000c-g99-sunon-12vdc-120x120x25mm-axial-fan>

Product Description

The Sunon EEC0251B1-000C-G99 is a high-efficiency DC Axial Fan engineered for demanding thermal management applications requiring robust airflow and structural rigidity. Utilizing Sunon's advanced motor technology and a precision 2-Ball Bearing system, this unit delivers consistent performance with reduced friction and extended service life. The aerodynamic impeller design optimizes the pressure-to-airflow ratio, ensuring effective heat dissipation even in high-impedance environments. Featuring a 3-wire configuration with a tachometer signal output, it allows for real-time speed monitoring and system feedback, making it an ideal solution for critical industrial and computing hardware.

Model Number: EEC0251B1-000C-G99

Brand: Sunon

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.45 A

Power Consumption: 5.40 W

Rated Speed: 3100 RPM $\pm$ 10%

Max. Air Flow: 108.0 CFM (183.5 m³/h / 3.06 m³/min)

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

Noise Level: 44.5 dB(A)

Bearing Type: Precision 2-Ball Bearing

Dimensions: 120 x 120 x 25 mm

Weight: 157 g

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP Class Standard

Insulation Resistance: > 10M Ohms at 500VDC

Dielectric Strength: 500 VAC for 1 Minute

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Termination: 3-Wire Leads (Red +, Black -, Yellow/White Signal)

Output Signal: Tachometer (Frequency Generator)

Safety Certifications: UL, CUR, TUV, CE

Motor Protection: Auto Restart / Polarity Protection

The EEC0251B1-000C-G99 is specifically designed for integration into high-density electronic enclosures, including server chassis, telecommunications racks, and industrial automation control panels. Its reliable airflow characteristics make the EEC0251B1-000C-G99 suitable for cooling power supplies, medical instrumentation, and network switches where continuous operation and thermal stability are paramount.

Supplemental Images

