

EEC0252B1-000C-A99 SUNON 24VDC 120x120x25mm 5.0W Axial Fan Datasheet



Brand: SUNON

SKU: [737879117504](#)

Category: Axial & Centrifugal Fans

Price: **\$15.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/eec0252b1-000c-a99-sunon-24vdc-120x120x25mm-5-0w-axial-fan>

Product Description

The SUNON EEC0252B1-000C-A99 is a high-efficiency DC Axial Fan engineered for demanding industrial thermal management applications. Utilizing advanced DC brushless motor technology paired with a precision Double Ball Bearing system, this unit ensures exceptional longevity and reduced friction coefficients, significantly lowering thermal impedance during operation. The aerodynamic impeller design optimizes airflow delivery while maintaining structural rigidity under high rotational speeds. Constructed with a durable thermoplastic housing, the fan meets rigorous flammability standards, making it suitable for continuous operation in critical electronic environments requiring reliable heat dissipation and stable static pressure performance.

Model Number: EEC0252B1-000C-A99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 12.0 - 27.6 VDC

Power Consumption: 5.0W

Rated Current: 0.21 A

Rated Speed: 3100 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 108.0 CFM (183.5 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

Noise Level: 44.5 dB(A)

Life Expectancy: 70,000 Hours at 40°C

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP Class Available upon request

Insulation Class: Class A

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: 2-Wire (Red +, Black -)

Wire Gauge: 24 AWG

Motor Protection: Impedance Protected, Reverse Polarity Protection

Dielectric Strength: 500VAC for 1 Minute

Direction of Rotation: Counter-clockwise viewed from front of fan blade

Mounting Orientation: Any

The EEC0252B1-000C-A99 is specifically designed for integration into high-density electronic enclosures where consistent airflow is paramount. Common applications include server rack cooling systems, industrial automation control panels, and telecommunications power supply units. The robust construction of the EEC0252B1-000C-A99 allows it to function effectively in CNC machinery and medical instrumentation, providing the necessary thermal regulation to prevent component overheating and ensure system reliability in 24/7 operational environments.

Supplemental Images

