

EC0252B1-000C-A99 Sunon 24VDC 120x120x25mm 5W Axial Fan Datasheet



Brand: SUNON

SKU: [916028361677](#)

Category: Axial & Centrifugal Fans

Price: **\$26.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ec0252b1-000c-a99-sunon-24vdc-120x120x25mm-5w-axial-fan>

Product Description

The Sunon EC0252B1-000C-A99 is a precision-engineered DC Axial Fan designed for demanding thermal management applications requiring high volumetric airflow. Utilizing advanced motor technology and a robust Ball Bearing architecture, this unit delivers consistent performance while maintaining structural rigidity under continuous operation. The aerodynamic blade design minimizes turbulence, effectively lowering thermal impedance within high-density enclosures. Engineered for reliability, the fan operates efficiently at 24VDC with a power consumption of 5.00W, ensuring optimal heat dissipation for sensitive electronic components and industrial machinery.

Model Number: EC0252B1-000C-A99

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Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 12.0 - 27.6 VDC

Power Input: 5.00 W

Rated Current: 0.21 A

Rated Speed: 3100 RPM

Max. Air Flow: 108.2 CFM (183.8 m³/h)

Max. Static Pressure: 0.28 inH₂O (69.7 Pa)

Bearing Type: Ball Bearing

Dimensions: 120 x 120 x 25 mm

Termination: 2-Wire Leads

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Noise Level: 44.5 dB(A)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Weight: 157 g

Ingress Protection: IP20

Life Expectancy: 70,000 Hours at 40°C

The EC0252B1-000C-A99 is specifically calibrated for integration into industrial automation systems, server cabinets, and telecommunications equipment where reliable forced convection is critical. Engineers frequently deploy the EC0252B1-000C-A99 in power supply units, rectifier systems, and CNC machinery control panels to mitigate hotspots and prolong component lifespan. Its robust design also makes it suitable for medical instrumentation and network switchgear requiring continuous duty cycles and high airflow efficiency.

Supplemental Images

