

EE92251S1-0000-A99 Sunon 12VDC 92x92x25mm 2.0W Axial Fan Datasheet



Brand: SUNON

SKU: 942534469419

Category: Axial & Centrifugal Fans

Price: \$13.99

E-mail: sales@equipspares.com

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

Product Page:

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Product Description

The Sunon EE92251S1-0000-A99 is a precision-engineered DC Axial Fan designed for optimal thermal management in electronic enclosures and industrial power systems. Utilizing a robust Sleeve Bearing architecture, this unit balances acoustic performance with operational longevity, minimizing friction coefficients during continuous rotation. The 92mm frame is constructed from reinforced thermoplastic PBT (UL94V-0), ensuring structural rigidity and resistance to thermal deformation under load. Engineered with advanced aerodynamic impeller geometry, the EE92251S1-0000-A99 delivers efficient airflow while maintaining low thermal impedance, making it a reliable solution for systems requiring consistent heat dissipation and stable static pressure.

Model Number: EE92251S1-0000-A99

Brand: Sunon

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.166 A

Power Consumption: 2.0 W

Rated Speed: 3000 RPM $\pm$ 10%

Bearing Type: Sleeve Bearing

Max. Air Flow: 51.5 CFM (87.5 m³/h / 1.46 m³/min)

Max. Static Pressure: 3.56 mmH₂O (34.9 Pa / 0.14 inH₂O)

Dimensions: 92 x 92 x 25 mm

Weight: 94 g

Life Expectancy: 35,000 Hours at 40°C

Noise Level: 34.0 dB(A)

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP Class Optional

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

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

Wire Gauge: 24 AWG

Motor Protection: Auto Restart / Polarity Protection

Dielectric Strength: 500 VAC for 1 Minute

Insulation Resistance: 10M Ohms at 500 VDC

Safety Certifications: UL, CUR, TUV, CE

This cooling solution is widely integrated into industrial power supply units, server rack enclosures, and telecommunications equipment where reliable airflow is critical. The EE92251S1-0000-A99 excels in compact chassis environments, effectively mitigating hotspots in network switches and automation control panels. Engineers frequently specify the EE92251S1-0000-A99 for medical instrumentation and desktop computing applications due to its balanced profile of static pressure and volumetric flow, ensuring components remain within safe operating temperature ranges.

Supplemental Images

