

EE80251S1-D170-F99 SUNON 12VDC 80x80x25mm 1.7W Axial Fan Datasheet



Brand: SUNON

SKU: [991231569277](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ee80251s1-d170-f99-sunon-12vdc-80x80x25mm-1-7w-axial-fan>

Product Description

The SUNON EE80251S1-D170-F99 is a precision-engineered DC Axial Fan designed for optimal thermal management in compact electronic assemblies. Utilizing advanced motor technology and a durable Sleeve Bearing architecture, this unit delivers consistent airflow while maintaining low mechanical noise. The 80mm frame is constructed to ensure structural rigidity, minimizing vibration during operation. With a power rating of 1.7W, it balances energy efficiency with high static pressure capabilities, making it suitable for reducing thermal impedance in sensitive equipment like projectors and power supplies.

Model Number: EE80251S1-D170-F99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.14 A

Power Consumption: 1.7 W

Rated Speed: 3200 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 41.0 CFM (69.66 m³/h / 1.16 m³/min)

Max. Static Pressure: 4.57 mmH₂O (44.8 Pa / 0.18 inH₂O)

Dimensions: 80x80x25mm

Weight: 75 g

Life Expectancy: 35,000 Hours at 40°C

Noise Level: 33.0 dBA

Speed Control: Tachometer Output (3-Wire)

Signal Output: Frequency Generator (F Type)

Housing Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: 3-Wire Lead (Red +, Black -, Yellow Signal)

Ingress Protection: IP20

Insulation Class: Class A

Safety Certifications: UL, CUR, TUV

Designed for versatility, the EE80251S1-D170-F99 excels in applications requiring reliable forced-air cooling. It is frequently integrated into multimedia projectors, ensuring lamp longevity by dissipating heat efficiently. Additionally, the EE80251S1-D170-F99 is suitable for network switchgear, compact power supply units, and industrial automation enclosures where space constraints demand a high-performance cooling solution with signal monitoring capabilities.

Supplemental Images

