

EF80251S2-1000C-A99 SUNON 12VDC 80x80x25mm Sleeve Axial Fan Datasheet



Brand: SUNON

SKU: [842172946471](#)

Category: Axial & Centrifugal Fans

Price: **\$8.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ef80251s2-1000c-a99-sunon-12vdc-80x80x25mm-sleeve-axial-fan>

Product Description

The SUNON EF80251S2-1000C-A99 is a precision-engineered DC Axial Fan designed for optimal thermal management in compact electronic enclosures. Utilizing advanced Sleeve Bearing technology, this unit ensures reliable rotational stability while minimizing mechanical friction during operation. The aerodynamic impeller design significantly reduces air turbulence, thereby lowering acoustic noise output and improving static pressure capabilities. With a rated power of 1.32W, it delivers efficient airflow performance, maintaining low thermal impedance within the system. The robust thermoplastic housing construction provides structural rigidity, making it suitable for continuous operation in various industrial and commercial cooling applications requiring a balance of performance and cost-effectiveness.

Model Number: EF80251S2-1000C-A99

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Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.11 A

Power: 1.32 W

Rated Speed: 3200 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 41.0 CFM (69.6 m³/h / 1.16 m³/min)
Max. Static Pressure: 0.18 inH₂O (4.57 mmH₂O / 44.8 Pa)
Dimensions: 80x80x25mm
Weight: 75 g
Life Expectancy: 35,000 Hours @ 40°C
Noise Level: 33.0 dB(A)
Termination: 2-Wire Lead
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +70 °C
Ingress Protection: IP20
Insulation Class: Class A
Safety Certifications: UL, CUR, TUV, CE

This cooling solution is engineered for integration into diverse thermal environments, including server rack enclosures, desktop computing chassis, and industrial automation control panels. The EF80251S2-1000C-A99 excels in maintaining optimal operating temperatures for power supplies and telecommunication equipment where space is constrained. Additionally, the EF80251S2-1000C-A99 is frequently utilized in medical instrumentation and network switches, ensuring component longevity through consistent heat dissipation.

Supplemental Images

