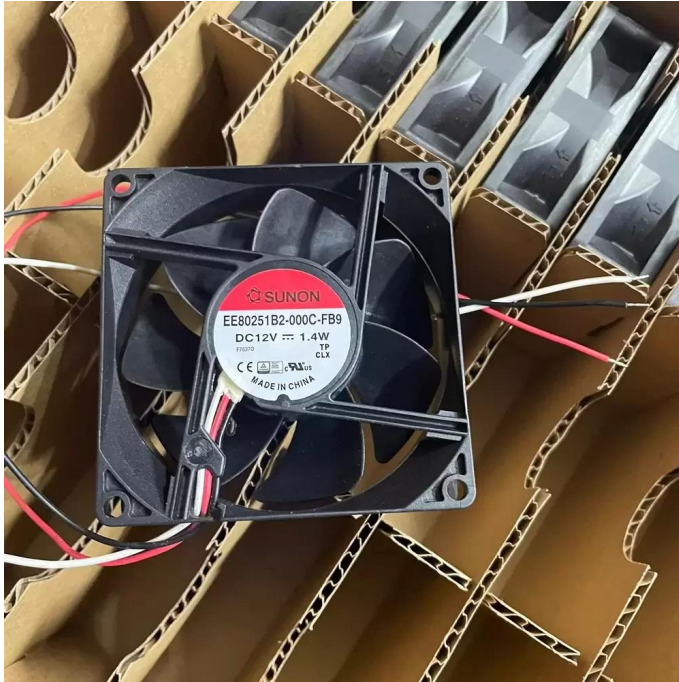


EE80251B2-000C-FB9 SUNON 12VDC 80x80x25mm Axial Fan Datasheet



Brand: SUNON

SKU: 1032363771273

Category: Axial & Centrifugal Fans

Price: \$13.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/ee80251b2-000c-fb9-sunon-12vdc-80x80x25mm-axial-fan>

Product Description

SUNON EE80251B2-000C-FB9 is a 12VDC 80x80x25mm Axial Fan optimized for high-reliability thermal management in space-constrained industrial enclosures. Engineered with a brushless DC motor and a precision dual ball bearing architecture, this unit minimizes thermal impedance while maintaining structural rigidity under continuous duty cycles. The aerodynamic impeller design is balanced to deliver a consistent 41.0 CFM airflow at a rated speed of 3200 RPM, drawing only 1.4W of power. This efficiency makes it an ideal solution for mitigating heat soak in sensitive electronics where low power consumption and long-term mechanical stability are critical.

Model Number: EE80251B2-000C-FB9

Brand: SUNON

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.115 A

Power: 1.4 Watts

Rated Speed: 3200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 41.0 CFM (69.7 m³/h / 1.16 m³/min)

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

Dimensions: 80 x 80 x 25 mm

Weight: 75 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 33.0 dBA

Speed Control: 3-Wire (Tachometer/Signal Output)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Termination: 3 Lead Wires

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Insulation Class: Class A

Protection Features: Auto Restart, Polarity Protection

Certifications: CE, TUV, UL, CUR

EE80251B2-000C-FB9 Applications

1. Industrial VFD Inverters: The dual ball bearing system provides the necessary longevity for vertical mounting in variable frequency drives, ensuring consistent cooling of power modules.
2. 2U Rackmount Chassis: Optimized dimensions and static pressure profile allow for efficient heat extraction through high-density component arrays in server environments.
3. Industrial Control Cabinets: Serves as a high-reliability replacement fan for legacy PLC enclosures where 3-wire monitoring is required for system health telemetry.

Supplemental Images

