

EE80251B1-000C-G99 Sunon 12VDC 80x80x25mm Tachometer Axial Fan Datasheet



Brand: SUNON

SKU: 722245590120

Category: Axial & Centrifugal Fans

Price: \$10.99

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Product Page:

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Product Description

The Sunon EE80251B1-000C-G99 is a high-efficiency DC Axial Fan engineered for precision thermal management in industrial and computing environments. Utilizing a robust 2 Ball Bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load conditions. The aerodynamic thermoplastic impeller design optimizes airflow efficiency while maintaining structural rigidity, effectively reducing thermal impedance within high-density enclosures. Featuring a 3-wire tachometer signal for real-time speed monitoring, the EE80251B1-000C-G99 delivers reliable cooling performance with a balanced acoustic profile, making it suitable for critical electronic dissipation applications requiring consistent air exchange.

Model Number: EE80251B1-000C-G99

Brand: Sunon

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.141 A

Power Consumption: 1.7 W

Rated Speed: 3200 RPM $\pm$ 10%

Bearing Type: 2 Ball Bearing

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

Max. Static Pressure: 4.57 mmH₂O (44.82 Pa / 0.18 inH₂O)

Dimensions: 80x80x25mm

Weight: 75.0 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 33.0 dB(A)

Speed Control: 3-Wire Tachometer (Frequency Generator)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: 3 Lead Wires (UL1007, 24AWG)

Ingress Protection: IP20 (Standard)

Insulation Class: Class A

Safety Certifications: UL, CUR, TUV, CE

Direction of Rotation: Counter-clockwise viewed from front of fan blade

Designed for versatile integration, the EE80251B1-000C-G99 excels in maintaining optimal operating temperatures for server chassis, network switches, and industrial automation control panels. Its robust construction allows the EE80251B1-000C-G99 to function reliably in telecommunications equipment and power supply units where consistent airflow is paramount to prevent component overheating and ensure system stability.

Supplemental Images

