

EF50201S1-C000-G99 SUNON 12VDC 50x50x20mm Blower Fan Datasheet



Brand: SUNON

SKU: [991223773318](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ef50201s1-c000-g99-sunon-12vdc-50x50x20mm-blower-fan>

Product Description

The SUNON EF50201S1-C000-G99 is a DC Blower Fan engineered for high-static pressure applications where airflow must be concentrated through restricted ducts or heatsinks. Utilizing a precision Sleeve Bearing architecture, this 50mm centrifugal unit delivers reliable thermal impedance management within a compact footprint. The aerodynamic impeller design optimizes air intake and exhaust velocity, ensuring efficient cooling for densely packed electronic components. Operating at 12VDC with a power consumption of 1.02W, it balances structural rigidity with acoustic performance, making it suitable for precision industrial equipment requiring consistent directed airflow.

Model Number: EF50201S1-C000-G99

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Product Type: DC Blower Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.085 A

Power Consumption: 1.02 W

Rated Speed: 5000 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 4.6 CFM (7.8 m³/h / 0.13 m³/min)

Max. Static Pressure: 0.48 inH₂O (12.2 mmH₂O / 119.5 Pa)

Dimensions: 50x50x20mm

Weight: 33 g

Noise Level: 36.0 dB(A)

Termination: 3-Wire Leads with Connector

Output Signal: Tachometer (FG)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Insulation Class: Class A

Safety Certifications: UL, CUR, TUV, CE

The EF50201S1-C000-G99 is specifically designed for applications requiring directed airflow and high static pressure, such as compact projectors, humidifiers, and 3D printer hotend cooling systems. Its centrifugal design allows the EF50201S1-C000-G99 to effectively push air through 90-degree turns and restricted ventilation ducts in rack-mounted servers and portable medical instrumentation.

Supplemental Images

