

EF50151B2-C03C-A99 SUNON 12VDC 0.78W 50x50x15mm Blower Datasheet



Brand: SUNON

SKU: [1008625807443](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ef50151b2-c03c-a99-sunon-12vdc-0-78w-50x50x15mm-blower>

Product Description

The SUNON EF50151B2-C03C-A99 is a high-precision DC centrifugal blower engineered for localized thermal management in space-constrained environments. Utilizing advanced brushless motor technology and a robust dual ball bearing architecture, this unit ensures long-term operational stability and minimal thermal impedance. The aerodynamic impeller design is optimized for high static pressure delivery, effectively overcoming resistance in dense electronic enclosures. Its structural rigidity is enhanced by high-quality thermoplastic materials, providing a reliable cooling solution for industrial and consumer applications. This blower integrates seamlessly into systems requiring efficient heat dissipation through a compact 50x15mm form factor, maintaining consistent airflow under varying load conditions.

Model Number: EF50151B2-C03C-A99

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Product Type: Centrifugal Blower Fan

Rated Voltage: 12VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.065A

Power: 0.78W

Rated Speed: 3000 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 4.8 CFM (8.16 m³/h / 0.136 m³/min)
Max. Static Pressure: 11.68 mmH₂O (114.5 Pa / 0.46 inH₂O)
Dimensions: 50x50x15mm
Weight: 30g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 29.0 dBA
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Termination: 2 Lead Wires
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Insulation Class: Class A
Protection Features: Auto Restart, Polarity Protection

The EF50151B2-C03C-A99 is ideally suited for integration into 3D printers, humidifiers, and compact medical diagnostic equipment where directional airflow is critical. In DIY electronics and small-form-factor PC builds, the EF50151B2-C03C-A99 provides essential cooling for voltage regulator modules and internal components. Its high static pressure capabilities also make it a preferred choice for CPAP machines and telecommunications hardware requiring reliable ventilation in restricted air paths.

Supplemental Images

