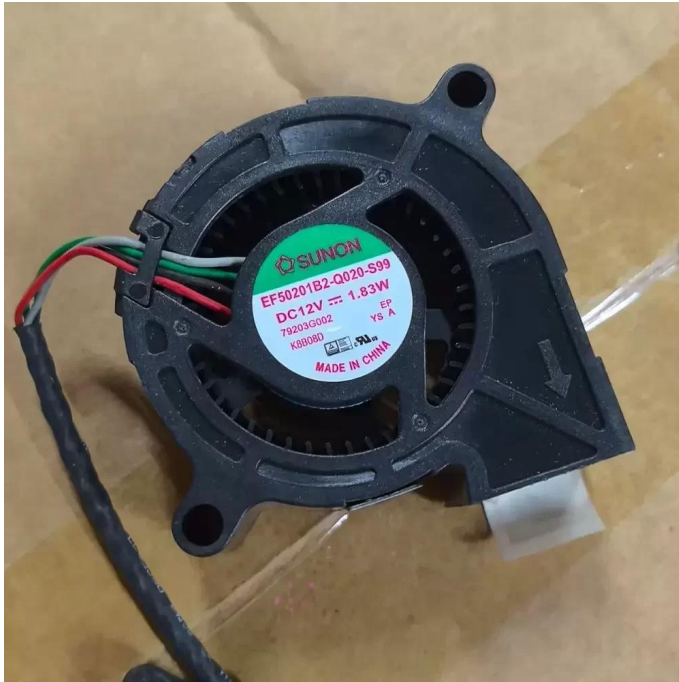


# EF50201B2-Q020-S99 SUNON 12VDC 50x50x20mm Projector Blower Fan Datasheet



**Brand:** SUNON

**SKU:** 987259121473

**Category:** Axial & Centrifugal Fans

**Price:** \$17.99

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

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Product Page:

<https://www.equipspares.com/product/ef50201b2-q020-s99-sunon-12vdc-50x50x20mm-projector-blower-fan>

## Product Description

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The SUNON EF50201B2-Q020-S99 is a precision-engineered DC Blower Fan designed for high-static pressure applications within compact enclosures. Utilizing SUNON's advanced MagLev (Magnetic Levitation) motor technology, this unit optimizes thermal impedance through a streamlined aerodynamic volute design, ensuring efficient airflow delivery against system resistance. Built with robust structural rigidity and high-grade thermoplastic materials, the fan operates at a rated voltage of 12VDC with a power consumption of 1.83W. Its 4-wire configuration supports precise speed modulation and feedback, making it ideal for thermal regulation in sensitive electronics such as projectors and optical devices.

Model Number: EF50201B2-Q020-S99

Brand: SUNON

Product Type: DC Blower Fan (Centrifugal)

Rated Voltage: 12VDC

Voltage Range: 6.0 - 13.8 VDC

Power Consumption: 1.83 W

Rated Current: 0.15 A

Rated Speed: 5200 RPM  $\pm$  15%

Bearing Type: MagLev (Vapo Bearing System)  
Max. Air Flow: 5.2 CFM (8.83 m<sup>3</sup>/h)  
Max. Static Pressure: 0.58 inH<sub>2</sub>O (14.7 mmH<sub>2</sub>O / 144 Pa)  
Dimensions: 50 x 50 x 20 mm  
Weight: 33.0 g  
Life Expectancy: 70,000 Hours at 40°C  
Noise Level: 36.0 dB(A)  
Termination: 4-Wire (PWM/Tachometer)  
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  
Ingress Protection: IP5X (Dust Protected)  
Safety Certifications: UL, CUR, TUV, CE  
Motor Protection: Auto Restart / Polarity Protection

This centrifugal blower is specifically engineered for space-constrained thermal solutions, most notably within high-performance projection equipment where the EF50201B2-Q020-S99 ensures critical component cooling. Beyond visual display hardware, the EF50201B2-Q020-S99 is frequently integrated into compact server racks, portable medical instrumentation, and industrial automation interfaces requiring directed airflow. Its compact 50mm footprint allows for seamless installation in dense circuit layouts, effectively mitigating heat buildup in optical engines and power supply units.

## Supplemental Images

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