EFC0251B1-Q050-S99 SUNON 12VDC 25mm Cooling Blower Fan Datasheet

Brand: SUNON

SKU: 984830043306

Category: Axial & Centrifugal Fans

Price: **$14.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/efc0251b1-q050-s99-sunon-12vdc-25mm-cooling-blower-fan

Product Description

The SUNON EFC0251B1-Q050-S99 is a precision-engineered centrifugal blower designed for high-static pressure applications such as projection units and compact electronics. Utilizing advanced motor technology and a robust bearing architecture, this unit ensures minimal thermal impedance and sustained operational stability under thermal load. The aerodynamic volute design optimizes airflow trajectory, delivering concentrated cooling performance while maintaining structural rigidity. Engineered for reliability, it effectively dissipates heat in space-constrained environments requiring superior air density and consistent back-pressure handling.

Model Number: EFC0251B1-Q050-S99
Brand: SUNON
Product Type: DC Centrifugal Blower
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Power Consumption: 2.28 W
Rated Speed: 4500 RPM (Nominal)
Bearing Type: Dual Ball Bearing
Max. Air Flow: 5.4 CFM (Estimated)
Max. Static Pressure: 0.45 inH2O (Estimated)
Dimensions: 25 mm Thickness

Frame Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Ingress Protection: IP5X
Noise Level: 34.0 dB(A)
Operating Temperature: -10 to +70 Degrees Celsius
Storage Temperature: -40 to +70 Degrees Celsius
Termination: Lead Wires
Life Expectancy: 70,000 Hours at 40 Degrees Celsius
Safety Certifications: UL, CUR, TUV

The EFC0251B1-Q050-S99 is specifically calibrated for integration into high-lumen projectors and optical projection equipment where concentrated airflow is critical for lamp and chipset cooling. Additionally, the EFC0251B1-Q050-S99 serves effectively in compact server racks, medical diagnostic instrumentation, and industrial automation interfaces requiring directed air columns to mitigate hotspots in dense circuitry.

Supplemental Images