

EFC0251B1-Q050-S99 Sunon 12V 2.74W 120mm DC Axial Fan

SKU: EFC0251B1-Q050-S99

Price: \$13.25

Categories: Fans

Tags: SUNON

Product Link:

<https://www.electspares.com/product/efc0251b1-q050-s99-sunon-12v-2-74w-120mm-dc-axial-fan/>

Product Description

The Sunon EFC0251B1-Q050-S99 is a high-performance DC Axial Fan with dimensions of 120 x 120 x 25 mm. Operating on 12 V DC with a rated power of 2.74 W, this fan features a 7-blade design optimized for efficient airflow. Equipped with a brushless DC motor and a 4-wire interface for precise control, it provides a reliable thermal management solution for servers, industrial power supplies, and electronics requiring a slim-profile cooling fan.

EFC0251B1-Q050-S99 Fan Parameters

Model: EFC0251B1-Q050-S99

Manufacturer: Sunon

Type: DC Axial Fan

Series: High Performance Series

Dimensions: 120 x 120 x 25 mm

Nominal Voltage: 12 V DC

Operating Voltage Range: 6.0 V DC to 13.8 V DC

Rated Current: 0.23 A

Rated Input Power: 2.74 W

Number of Blades: 7

Rated Speed: 2400 RPM

Max. Airflow: 127 m³/h (75.0 CFM)

Max. Static Pressure: 35 Pa (0.14 inAq)

Noise Level: 34.0 dB(A)

Bearing Type: Dual Ball Bearing

Motor Design: Brushless DC Motor

Electrical Protection: Auto Restart, Polarity Protection

Termination: 4 Wire Leads

Control Signal: PWM Control

Sensor Type: Tachometer (Frequency Generator)

Frame Material: Thermoplastic PBT (UL 94V-0)

Impeller Material: Thermoplastic PBT (UL 94V-0)

Life Expectancy: 70,000 h (at 40 °C)

Operating Temperature Range: -10 °C to +70 °C

Storage Temperature Range: -40 °C to +70 °C

Certifications: CE, TUV, UL/cUL

Application

The Sunon EFC0251B1-Q050-S99 is specifically designed for high-performance computing and industrial electronics where space is at a premium. Its 25mm slim frame allows for integration into standard rack-mount servers, network switches, and desktop workstations. Additionally, it is widely used in LED lighting systems, medical equipment, and telecommunications enclosures where the 4-wire PWM control allows for dynamic speed adjustment to balance cooling performance with acoustic requirements.

Product Images









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