

EB60251S1-Q000-F99 Sunon 12V 1.56W 60mm DC Axial Fan

SKU: EB60251S1-Q000-F99

Price: \$9.99

Categories: Fans

Tags: SUNON

Product Link:

<https://www.electspares.com/product/eb60251s1-q000-f99-sunon-12v-1-56w-60mm-dc-axial-fan/>

Product Description

The Sunon EB60251S1-Q000-F99 is a high-performance DC Axial Fan with dimensions of 60 x 60 x 25 mm. Operating on 12 V DC with a rated power of 1.56 W, this fan features a precision-engineered 7-blade impeller powered by a high-torque Brushless DC Motor. Part of Sunon's high-efficiency EB series, it is equipped with a 3-wire interface providing essential speed monitoring. It is an ideal thermal solution for power supplies, networking equipment, and compact industrial control modules requiring reliable airflow and efficient heat dissipation.

EB60251S1-Q000-F99 Fan Parameters

Model: EB60251S1-Q000-F99

Manufacturer: Sunon

Type: DC Axial Fan

Series: EB Series (High Efficiency)

Dimensions: 60 x 60 x 25 mm

Nominal Voltage: 12 V DC

Operating Voltage Range: 6.0 V DC to 13.8 V DC

Starting Voltage: 6.0 V DC

Rated Current: 0.13 A

Rated Input Power: 1.56 W

Number of Blades: 7

Motor Design: Brushless DC Motor

Rated Speed: 4500 RPM

Max. Airflow: 40.0 m³/h (23.5 CFM)

Max. Static Pressure: 52 Pa (0.21 inAq)

Noise Level: 33.5 dB(A)

Bearing Type: Sleeve Bearing

Insulation Class: Class A (105 °C)

Insulation Resistance: 10M ohm at 500 VDC between internal stator and lead wire (+)

Dielectric Strength: 500 VAC for one minute or 600 VAC for 2 seconds

Electrical Protection: Auto Restart, Polarity Protection, Locked Rotor Protection

Termination: 3 Wire Leads (UL1007, AWG 26)

Wire Definition: Red (+), Black (-), Yellow (Sensor/Tacho)

Sensor Type: Tachometer (Frequency Generator)

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

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

Life Expectancy: 35,000 h (at 40 °C, 65% humidity)

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

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

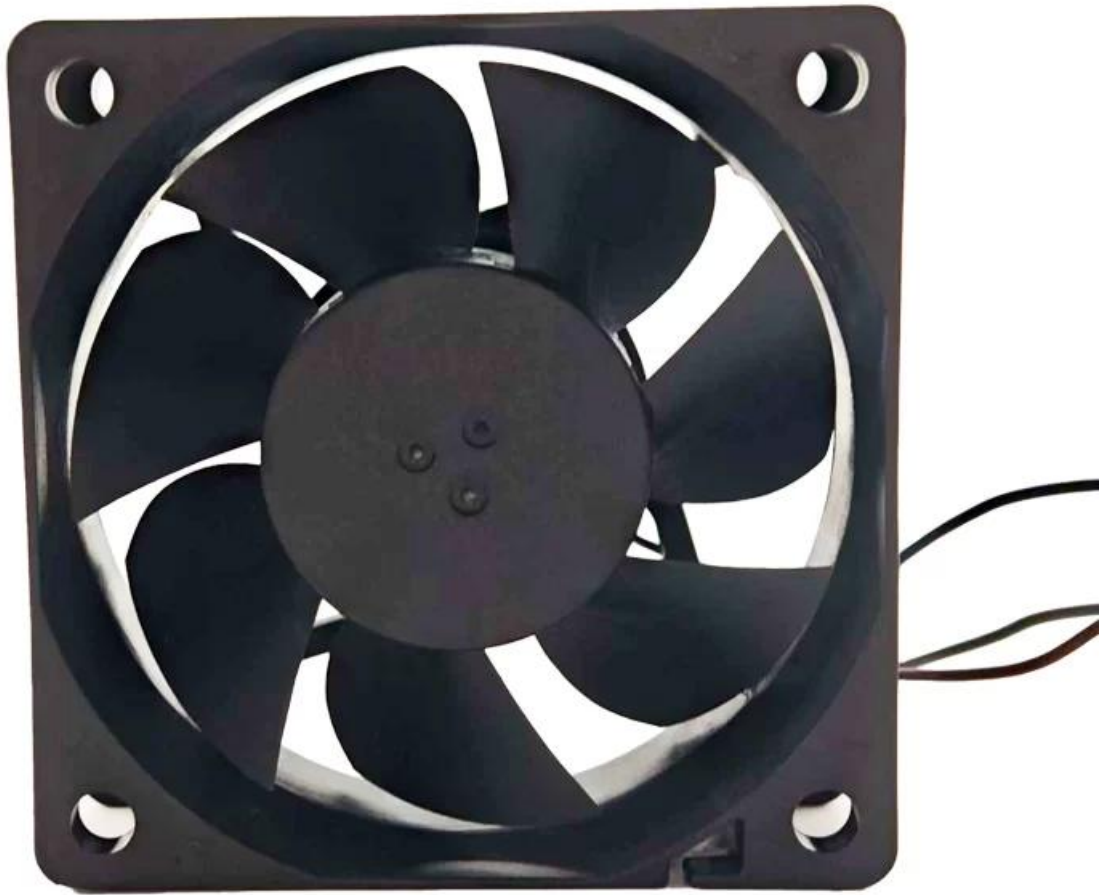
Certifications: CE, TUV, UL/cUL, RoHS Compliant

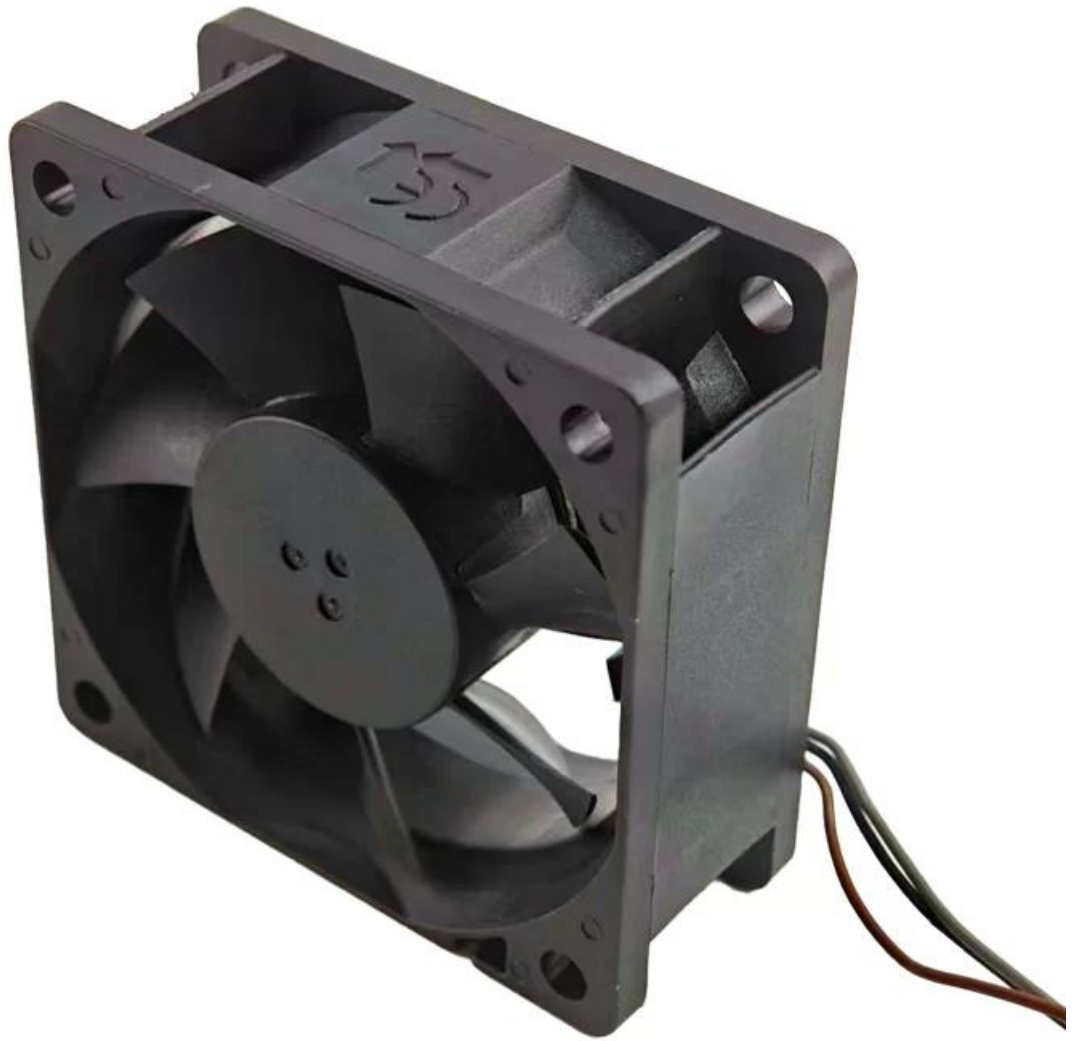
Application

The Sunon EB60251S1-Q000-F99 is engineered for versatile thermal management in high-reliability electronic enclosures. Its 60mm square frame and 25mm thickness are standard for desktop computer power supplies (PSU), network gateways, and small-scale industrial inverters. The integrated 3-wire tachometer output provides essential real-time speed monitoring, making it a critical component for medical diagnostic equipment, security DVRs, and automated laboratory instruments where fan failure detection is mandatory to prevent system overheating. Additionally, the brushless DC motor design offers low electromagnetic interference (EMI), which is vital for sensitive communication devices and high-precision sensors.

Product Images









Scan for product details:

