

EF92251SX-Q000-S99 SUNON 12VDC 92x92x25mm PWM Axial Fan Datasheet



Brand: SUNON

SKU: 989516905362

Category: Axial & Centrifugal Fans

Price: \$16.99

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Product Description

The SUNON EF92251SX-Q000-S99 is a precision-engineered DC axial fan designed for high-demand thermal regulation in compact electronic enclosures. Utilizing SUNON's proprietary magnetic levitation (MagLev) or advanced bearing architecture, this unit eliminates physical contact friction between the shaft and bearing, significantly reducing noise and extending operational lifespan. The aerodynamic impeller design is optimized to minimize turbulence while maximizing static pressure, ensuring efficient airflow through dense heatsinks and restricted chassis environments. With a robust 4.74W motor profile, this component delivers exceptional thermal impedance reduction, maintaining structural rigidity and performance stability under continuous load conditions.

Model Number: EF92251SX-Q000-S99

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Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Power Input: 4.74 W

Rated Current: 0.395 A

Rated Speed: 4500 RPM (Nominal)

Bearing Type: MagLev / Vapo Bearing

Max. Air Flow: 75.0 CFM (127.4 m³/h)

Max. Static Pressure: 0.35 inH₂O (8.89 mmH₂O)

Dimensions: 92 x 92 x 25 mm

Noise Level: 46.5 dBA

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead (Red +, Black -, Yellow Tach, Blue PWM)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Ingress Protection: IP5X (Dust Protected)

Safety Certifications: UL, CUR, TUV, CE

The EF92251SX-Q000-S99 is specifically engineered for critical cooling applications requiring precise temperature modulation via PWM control. Commonly deployed in server CPU coolers, industrial automation control cabinets, and high-performance workstations, the EF92251SX-Q000-S99 ensures reliable heat dissipation for sensitive semiconductors. Its high static pressure capabilities make it an ideal choice for forcing air through dense fin arrays in medical instrumentation and telecommunications equipment.

Supplemental Images

