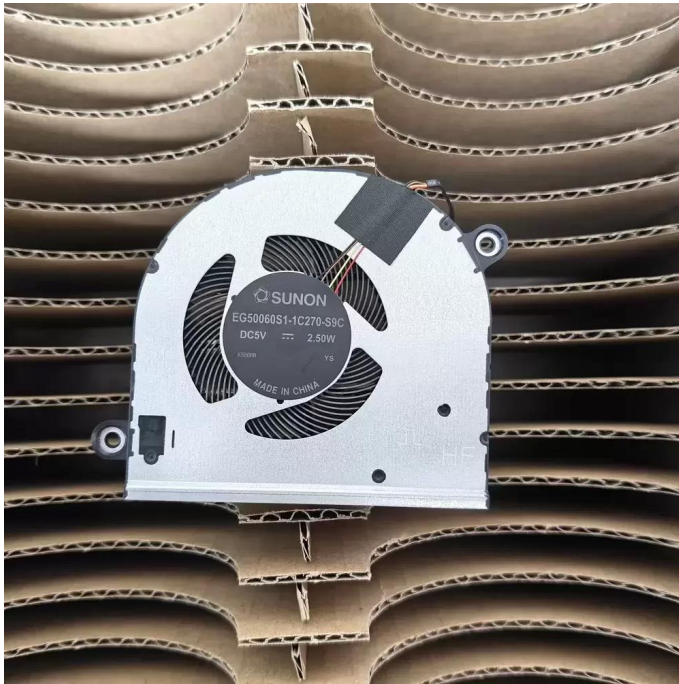


EG50060S1-1C270-S9C Sunon 5VDC 50x60x6mm Blower Datasheet



Brand: SUNON

SKU: [1027134595046](#)

Category: Axial & Centrifugal Fans

Price: **\$26.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/eg50060s1-1c270-s9c-sunon-5vdc-50x60x6mm-blower>

Product Description

Sunon EG50060S1-1C270-S9C is a 5VDC 50x60x6mm Centrifugal Blower optimized for high-density thermal dissipation in constrained enclosures. The integrated 4-wire PWM control circuit enables precise RPM modulation, ensuring the 2.50W power draw translates into targeted airflow that prevents localized heat soak in mobile computing environments. By maintaining a consistent static pressure profile, this 50x60x6mm 5VDC Centrifugal Blower overcomes the impedance of dense copper heat pipe fins. The specialized impeller geometry of this PWM Centrifugal Blower minimizes acoustic resonance while sustaining the 0.50A current flow required for rapid heat extraction during peak CPU/GPU thermal cycles.

Model Number: EG50060S1-1C270-S9C

Brand: Sunon

Product Type: Centrifugal Blower

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.50A

Power: 2.50W

Rated Speed: 4500 RPM

Bearing Type: MagLev / Vapo Bearing

Max. Air Flow: 4.8 CFM

Max. Static Pressure: 12.4 mmH₂O

Dimensions: 50x60x6mm

Weight: 25g

Life Expectancy: 50,000 Hours at 40C

Speed Control: PWM Signal

Feedback: Tachometer / Frequency Generator

Termination: 4-Wire Lead Wires

Connector: Micro-pitch 4-pin

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10C to +70C

Storage Temperature: -40C to +70C

Protection: Auto Restart, Locked Rotor Protection

Applications & Industry Use Cases

1. Ultra-thin Laptops: Direct replacement fan for maintaining thermal equilibrium in slim chassis designs.
2. 1U Server Blades: Compact blower profile facilitates lateral heat expulsion in low-clearance environments.
3. Industrial Tablets: Prevents processor throttling by providing penetrating airflow through internal heat sinks.
4. Embedded NUC Systems: High static pressure ensures efficient cooling for micro-form factor industrial PCs.
5. Telecom Edge Routing: Reliable 5VDC cooling for localized hotspots on high-speed networking PCBs.

Supplemental Images

