

EG50060S1-1C040-S9A SUNON 5VDC 0.50A 50mm Laptop Blower Datasheet



Brand: SUNON

SKU: [854577802424](#)

Category: Axial & Centrifugal Fans

Price: **\$19.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/eg50060s1-1c040-s9a-sunon-5vdc-0-50a-50mm-laptop-blower>

Product Description

The SUNON EG50060S1-1C040-S9A is a high-precision centrifugal blower designed for specialized thermal management in compact computing environments. Engineered with a brushless DC motor, this unit utilizes advanced bearing architecture to minimize thermal impedance while maintaining structural rigidity under high rotational velocities. Its aerodynamic impeller design is optimized for laminar airflow, ensuring efficient heat dissipation from dense PCB layouts. The robust construction and precise balance of the EG50060S1-1C040-S9A provide reliable operation within the constrained physical envelopes of modern mobile workstations.

Model Number: EG50060S1-1C040-S9A

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Product Type: Centrifugal Blower

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.50A

Power: 2.5W

Rated Speed: 4800 RPM

Bearing Type: MagLev

Max. Air Flow: 4.50 CFM (7.65 m³/h / 0.13 m³/min)

Max. Static Pressure: 15.20 mmH₂O (149.06 Pa / 0.60 inH₂O)

Dimensions: 50mm x 50mm x 6mm

Weight: 25g

Life Expectancy: 50,000 Hours

Speed Control: PWM

Housing Material: UL94V-0 Thermoplastic

Blade Material: UL94V-0 Thermoplastic

Termination: 4-Pin Connector

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection: Auto Restart, Polarity Protection

Certifications: CE, TUV, UL

This cooling component is specifically engineered for integration into the Huawei MateBook D 15 2022 series, particularly the BoDE-WFH9 chassis. The EG50060S1-1C040-S9A provides critical active cooling for the CPU and GPU heat pipe assemblies within ultra-thin laptop architectures. Due to its low-profile form factor, the EG50060S1-1C040-S9A is also suitable for other small form factor industrial controllers and portable medical diagnostic equipment requiring concentrated airflow.

Supplemental Images

