EG50040S1-CM40-S9A SUNON 5VDC 50x50x4mm Ultra-Thin Blower Datasheet

Brand: SUNON

SKU: 752232319112

Category: Axial & Centrifugal Fans

Price: **$18.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/eg50040s1-cm40-s9a-sunon-5vdc-50x50x4mm-ultra-thin-blower

Product Description

The SUNON EG50040S1-CM40-S9A is a Blower specifically engineered for high-density thermal management in ultra-thin computing environments. Utilizing SUNON advanced DC motor technology and specialized bearing architecture, this unit optimizes airflow within constrained spatial envelopes. The aerodynamic design focuses on minimizing thermal impedance while maintaining structural rigidity under high-speed operation. Its precision-engineered impeller ensures consistent static pressure, making it an essential component for maintaining system stability in professional-grade mobile workstations.

Model Number: EG50040S1-CM40-S9A
Brand: SUNON
Product Type: Blower
Rated Voltage: 5VDC
Voltage Range: 4.5 - 5.5 VDC
Rated Current: 0.33A
Power: 1.65W
Rated Speed: 5200 RPM
Bearing Type: MagLev
Max. Air Flow: 2.4 CFM (4.08 m^3/h / 0.068 m^3/min)
Max. Static Pressure: 12.5 mmH_2O (122.5 Pa / 0.49 inH_2O)

Dimensions: 50x50x4mm
Weight: 15g
Life Expectancy: 50,000 Hours
Speed Control: PWM
Termination: 4-Pin Connector
Housing Material: UL94V-0 Thermoplastic
Blade Material: UL94V-0 Thermoplastic
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Protection Features: Locked Rotor Protection, Auto Restart

This cooling solution is primarily integrated into the Dell Latitude 9520 and E9520 series laptops to manage heat dissipation from the CPU and internal circuitry. The EG50040S1-CM40-S9A is critical for preventing thermal throttling in slim-profile mobile devices and high-performance ultrabooks. By ensuring efficient heat extraction, the EG50040S1-CM40-S9A maintains the operational integrity of the motherboard and surrounding hardware components in demanding professional environments.

Supplemental Images


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