

EG50040S1-CJ60-S9A SUNON 5VDC 50mm Laptop Cooling Blower Datasheet



Brand: SUNON

SKU: 1008544130888

Category: Axial & Centrifugal Fans

Price: \$25.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/eg50040s1-cj60-s9a-sunon-5vdc-50mm-laptop-cooling-blower>

Product Description

The SUNON EG50040S1-CJ60-S9A is a 5VDC 50mm Blower optimized for thermal management in ultra-slim mobile workstations. Engineered with SUNON advanced motor technology, this unit minimizes thermal impedance within constrained chassis environments. The aerodynamic impeller design is specifically tuned to maintain structural rigidity while delivering a concentrated airflow of 3.2CFM at a rated current of 0.45A. Utilizing a high-reliability bearing architecture, it ensures long-term stability for critical computing tasks. This blower is a precise replacement fan for Dell Latitude and Precision series, designed to overcome high system impedance in compact heat sink assemblies while maintaining low acoustic profiles during peak CPU/GPU loads.

Model Number: EG50040S1-CJ60-S9A

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Product Type: DC Blower

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.45A

Power: 2.25W

Rated Speed: 5200 RPM

Bearing Type: MagLev

Max. Air Flow: 3.2 CFM (5.44 m³/h / 0.09 m³/min)

Max. Static Pressure: 12.8 mmH₂O (125.5 Pa / 0.50 inH₂O)

Dimensions: 50mm x 50mm x 5mm

Weight: 22g

Life Expectancy: 50,000 Hours at 40°C

Termination: 4-Pin Connector

Part Number: 06T7HN, P80F, DC28000PKSL

Housing Material: UL94V-0 Thermoplastic

Blade Material: UL94V-0 Thermoplastic

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Certifications: CE, TUV, UL

Protection: Auto Restart, Polarity Protection

EG50040S1-CJ60-S9A Applications

1. Dell Latitude 5500/5510 Thermal Modules: Provides the necessary static pressure to drive heat away from the CPU through dense fin stacks in 15-inch business laptops.
2. Dell Precision 3540/3550 Mobile Workstations: Acts as a critical replacement fan to maintain thermal equilibrium during intensive CAD and rendering workloads.
3. Ultra-Slim Embedded Systems: Ideal for low-profile industrial PCs where vertical clearance is limited and directional exhaust is required to prevent heat soak.

Supplemental Images

