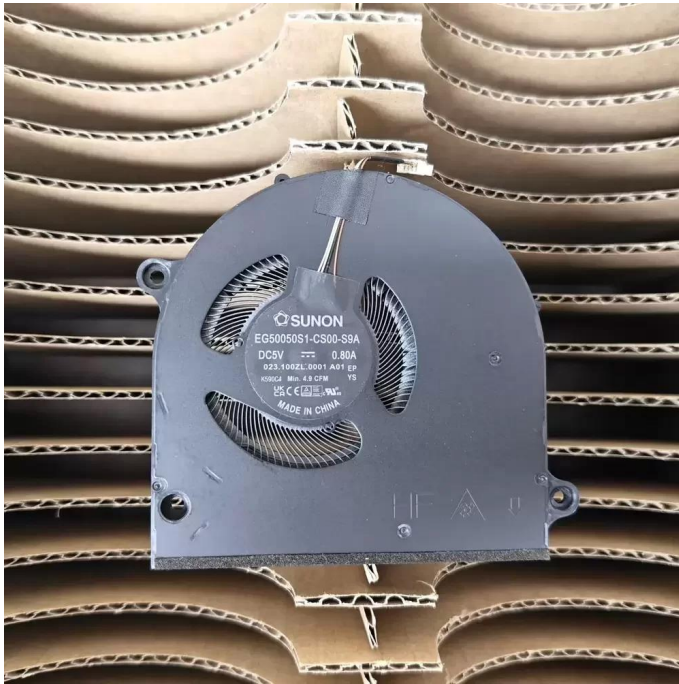


EG50050S1-CS00-S9A SUNON 5VDC 50mm PT96H Dell Blower Datasheet



Brand: SUNON

SKU: 1028724289385

Category: Axial & Centrifugal Fans

Price: \$20.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/eg50050s1-cs00-s9a-sunon-5vdc-50mm-pt96h-dell-blower>

Product Description

SUNON EG50050S1-CS00-S9A is a 5VDC 50mm Blower optimized for high-density thermal management in ultra-thin mobile workstations. This centrifugal cooling solution utilizes SUNON's advanced motor technology to ensure long-term reliability and reduced thermal impedance within compact enclosures. The unit features a high-precision bearing architecture and an aerodynamic impeller design that maximizes static pressure while maintaining low acoustic profiles. Operating at 0.80A with a rated speed of 5200 RPM, this fan provides the necessary airflow to dissipate heat from high-performance processors. Its structural rigidity and low-vibration characteristics make it an essential component for maintaining system stability in Dell Pro 16 Plus series laptops.

Model Number: EG50050S1-CS00-S9A

Brand: SUNON

Product Type: Blower

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.80A

Power: 4.0W

Rated Speed: 5200 RPM

Bearing Type: MagLev

Max. Air Flow: 5.20 CFM (8.83 m³/h / 0.15 m³/min)

Max. Static Pressure: 15.40 mmH₂O (151.02 Pa / 0.61 inH₂O)

Dimensions: 50mm x 50mm x 5mm

Weight: 22g

Life Expectancy: 50,000 Hours

Speed Control: PWM

Termination: 4-Pin Connector

Housing Material: UL94V-0 Thermoplastic

Blade Material: UL94V-0 Thermoplastic

Operating Temperature: -10C to +70C

Protection: Locked Rotor Protection

Part Number: PT96H

EG50050S1-CS00-S9A Applications

1. Dell Pro 16 Plus (2024) Thermal Modules: Direct replacement fan for PB16250 and PB16255 chassis to restore factory-spec heat dissipation and overcome high system impedance in thin-and-light laptop designs.
2. Ultra-Thin Mobile Workstations: Ideal for P135F series hardware requiring high static pressure blowers to push air through dense fin-stack heat sinks.

Supplemental Images

