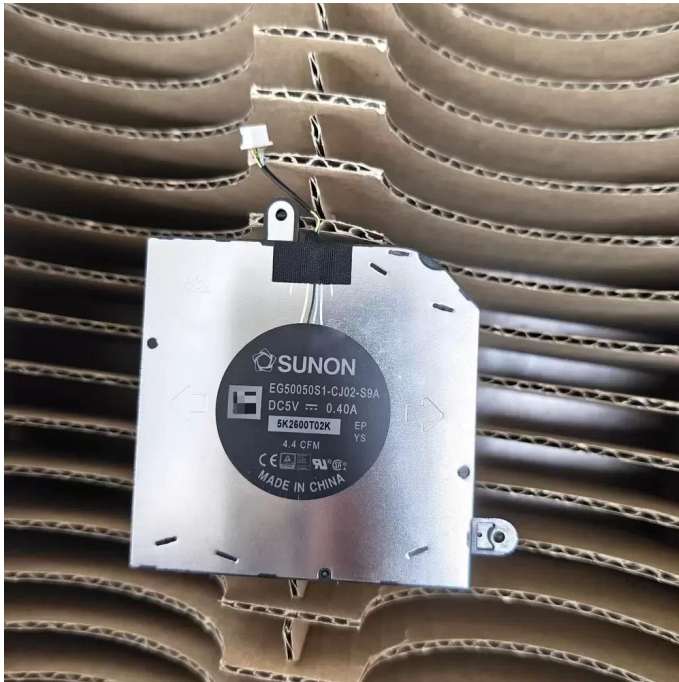


EG50050S1-CJ02-S9A SUNON 5VDC 50x50x5mm Blower Datasheet



Brand: SUNON

SKU: 1020651811480

Category: Axial & Centrifugal Fans

Price: \$17.99

E-mail: sales@equipspares.com

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

Product Page: <https://www.equipspares.com/product/eg50050s1-cj02-s9a-sunon-5vdc-50x50x5mm-blower>

Product Description

SUNON EG50050S1-CJ02-S9A is a 5VDC 50mm Blower optimized for high-density thermal management in ultra-compact mobile computing environments. Engineered specifically for the Dell Latitude 5430 integrated ADL cooling module, this blower utilizes advanced DC brushless motor technology to minimize thermal impedance within restricted airflow paths. The aerodynamic impeller design is balanced to maintain structural rigidity at high rotational speeds, ensuring consistent 4.4CFM throughput. Operating at a rated current of 0.40A, this unit provides the necessary static pressure to overcome the internal resistance of dense heat pipe fins, effectively preventing thermal throttling in professional-grade laptops.

Model Number: EG50050S1-CJ02-S9A

Brand: SUNON

Product Type: Blower (Centrifugal Fan)

Rated Voltage: 5 VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.40 A

Power: 2.0 W

Max. Air Flow: 4.4 CFM

Dimensions: 50 x 50 x 5 mm

Bearing Type: MagLev / Vapo Bearing System

Termination: 4-Pin Connector

Speed Control: PWM (Pulse Width Modulation)

Feedback: Tachometer / Frequency Generator

Part Number: 0KRX8F

Compatibility: Dell Latitude 5430 Series

Material: UL94V-0 Thermoplastic PBT

Protection: Auto-Restart, Locked Rotor Protection

EG50050S1-CJ02-S9A Applications

1. Dell Latitude 5430 ADL Thermal Modules: Direct replacement fan designed to match the specific pressure-to-flow curve required for Alder Lake processor cooling in slim-chassis laptops.
2. Ultra-Thin Mobile Workstations: Ideal for overcoming high system impedance in 5mm height-restricted enclosures where traditional axial fans cannot provide sufficient directional airflow.

Supplemental Images

