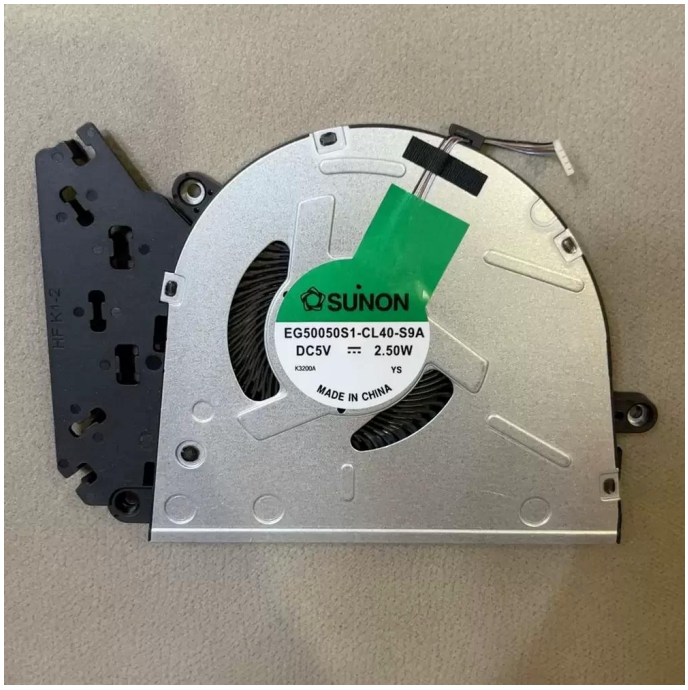
EG50050S1-CL40-S9A SUNON 5VDC N38472-001 Laptop Blower Datasheet



Brand: SUNON

SKU: 856627369051

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-cl40-s9a-sunon-5vdc-n38472-001-laptop-blower

Product Description

SUNON EG50050S1-CL40-S9A is a 5VDC Micro-Profile Centrifugal Blower optimized for high-density thermal management in ultra-thin computing architectures. Engineered with a precision DC motor and advanced aerodynamic impeller design, this unit delivers exceptional static pressure to overcome the high system impedance typical of modern laptop chassis. The specialized bearing architecture ensures low acoustic profiles while maintaining structural rigidity under continuous thermal loads. Operating at 2.50W and approximately 0.50A, it provides efficient heat dissipation for OEM replacement fan applications, specifically targeting HP 15-FC and 250 G10 series notebooks. Its low thermal impedance characteristics make it an ideal micro-cooling solution.

Model Number: EG50050S1-CL40-S9A
Brand: SUNON
Product Type: Centrifugal Blower
Rated Voltage: 5 VDC
Power: 2.50 W
Rated Current: 0.50 A
Compatible Part Number: N38472-001
Compatible Systems: HP 15-FC, HP 250 G10, TPN-Q287
Motor Type: DC Brushless
Termination: 4-Wire Connector

Speed Control: PWM
Housing Material: High-Density Polymer (UL94V-0)
Impeller Material: High-Density Polymer (UL94V-0)
Mounting Orientation: Horizontal / Vertical

EG50050S1-CL40-S9A Applications

1. Ultra-Thin Notebooks (HP 15-FC / 250 G10): Delivers targeted static pressure to force air through dense copper fin arrays, overcoming high system impedance in compact chassis designs.
2. OEM Replacement Fan Solutions: Exact mechanical and electrical match for N38472-001 and TPN-Q287, ensuring seamless integration and restoring original thermal impedance profiles.
3. Micro-Form Factor Computing: Provides low-vibration, high-efficiency cooling at 2.50W, ideal for embedded systems requiring strict acoustic and power constraints.

Supplemental Images


Service PN N38472-001