

EG50050S1-CG60-S9A Sunon 5VDC 0.40A 50mm 4-Wire Blower Datasheet



Brand: SUNON

SKU: [1022593949870](#)

Category: Axial & Centrifugal Fans

Price: **\$21.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/eg50050s1-cg60-s9a-sunon-5vdc-0-40a-50mm-4-wire-blower>

Product Description

The Sunon EG50050S1-CG60-S9A is a precision-engineered DC centrifugal blower designed for high-density thermal management within compact electronic assemblies. Utilizing Sunon's proprietary MagLev (Magnetic Levitation) bearing technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing noise and extending operational lifespan through minimized friction. The aerodynamic impeller design optimizes static pressure delivery, ensuring efficient heat dissipation across high-impedance heatsinks. Engineered with structural rigidity and advanced motor commutation, it provides reliable thermal performance for sensitive mobile computing hardware, specifically tailored for discrete graphics cooling solutions.

Model Number: EG50050S1-CG60-S9A

Brand: Sunon

Product Type: DC Centrifugal Blower (Laptop Cooling Fan)

OEM Part Number: 0GWMVN / GWMVN

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.40 A

Power Consumption: 2.0 W

Rated Speed: 5000 RPM (Nominal)

Bearing Type: MagLev (Vapo Bearing)

Max. Air Flow: 4.1 CFM

Dimensions: 50mm Series (Custom Laptop Form Factor)

Termination: 4-Wire (PWM Speed Control)

Connector: 4-Pin Header

Compatible Series: Dell Latitude 5410, E5410

Application Target: Discrete Graphics (GPU) Cooling

Material: Polybutylene Terephthalate (PBT) UL94V-0

Operating Temperature: -10°C to +70°C

Life Expectancy: 50,000 Hours @ 40°C

Designed specifically for the thermal maintenance of mobile workstations, the EG50050S1-CG60-S9A ensures optimal operating temperatures for the Dell Latitude 5410 and E5410 series laptops, particularly those equipped with discrete graphics units. This blower effectively evacuates heat from the GPU thermal module, preventing thermal throttling during intensive processing tasks. Technicians utilize the EG50050S1-CG60-S9A as a direct OEM replacement (P/N: 0GWMVN) to restore factory cooling performance in enterprise-grade computing environments.

Supplemental Images

