

EG50040S1-CJ00-S9A DELL 5VDC 50mm Laptop Centrifugal Fan Datasheet



Brand: SUNON

SKU: 1007915875500

Category: Axial & Centrifugal Fans

Price: \$26.99

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Product Page:

<https://www.equipspares.com/product/eg50040s1-cj00-s9a-dell-5vdc-50mm-laptop-centrifugal-fan>

Product Description

The DELL EG50040S1-CJ00-S9A is a specialized laptop centrifugal fan designed for high-efficiency thermal management in portable computing environments. Operating at a rated 5VDC with a current draw of 0.31A, this compact cooling solution provides reliable heat dissipation for the DELL Latitude 5310 and E5310 series. As an essential industrial cooling fan component, it utilizes a brushless motor design to maintain optimal airflow and static pressure within tight chassis constraints. This 5VDC blower ensures the longevity of internal hardware by preventing thermal throttling during intensive operations, making it a critical replacement part for maintaining system stability and performance.

Model Number: EG50040S1-CJ00-S9A

Brand: DELL

Product Type: Laptop Centrifugal Fan

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.31A

Power: 1.55W

Rated Speed: 4800 RPM

Bearing Type: Fluid Dynamic Bearing

Max. Air Flow: 4.8 CFM

Max. Static Pressure: 5.4 mmH2O

Dimensions: 50x50x5mm

Weight: 25g

Life Expectancy: 30,000 Hours

Termination: 4-Pin Connector

Housing Material: UL94V-0 Plastic

Blade Material: UL94V-0 Plastic

Operating Temperature: -10C to +70C

Storage Temperature: -40C to +75C

Speed Control: PWM Support

Protection: Locked Rotor Protection

The EG50040S1-CJ00-S9A is primarily engineered for integration into the DELL Latitude 5310 and E5310 laptop series to manage CPU and GPU thermals. Due to its slim profile and precise mounting points, the EG50040S1-CJ00-S9A is also suitable for compact embedded systems and small form factor industrial controllers requiring active air cooling.

Supplemental Images

