

EG70040S1-C111-S9A SUNON 5VDC 70mm Laptop Cooling Blower Datasheet



Brand: SUNON

SKU: [910312059319](#)

Category: Axial & Centrifugal Fans

Price: **\$26.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/eg70040s1-c111-s9a-sunon-5vdc-70mm-laptop-cooling-blower>

Product Description

SUNON EG70040S1-C111-S9A is a 5VDC 70mm Blower optimized for ultra-thin laptop thermal management and high-density heat dissipation. This unit features advanced DC motor technology with a specialized bearing architecture designed to minimize thermal impedance in constrained chassis environments. The aerodynamic impeller is engineered for structural rigidity, ensuring stable airflow even at peak 0.45A power consumption. Integrated PWM speed control allows for precise thermal regulation, maintaining low acoustic profiles during standard operation. This replacement fan is specifically calibrated for Huawei Matebook D14 series, providing the necessary static pressure to overcome internal system impedance and prevent CPU throttling under heavy computational loads.

Model Number: EG70040S1-C111-S9A

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Product Type: Blower

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.45A

Power: 2.25W

Rated Speed: 4800 RPM

Bearing Type: MagLev

Max. Air Flow: 5.20 CFM (8.83 m³/h / 0.14 m³/min)

Max. Static Pressure: 14.20 mmH₂O (139.25 Pa / 0.56 inH₂O)

Dimensions: 70mm x 70mm x 5mm

Weight: 28g

Life Expectancy: 50,000 Hours

Speed Control: PWM (4-wire)

Ingress Protection: IP54

Insulation Class: Class A

Housing Material: UL94V-0 Thermoplastic / Aluminum Plate

Blade Material: UL94V-0 Thermoplastic

Termination: 4-Pin Micro Connector

Operating Temperature: -10C to +70C

Storage Temperature: -40C to +70C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, TUV, UL, RoHS

EG70040S1-C111-S9A Applications

1. Huawei Matebook D14 Series: Direct replacement fan for NbB-WAH9, WAE9P, WAH9P, Nbl-WAQ9L, and WAQ9RP models to restore factory-spec thermal dissipation and prevent hardware degradation.
2. Ultra-Thin Laptop Chassis: Engineered to overcome high system impedance in low-profile mobile computing environments where vertical clearance is restricted to under 6mm.

Supplemental Images

