

MG75090V1-C060-S9A SUNON 5VDC 75mm MagLev Blower Fan Datasheet



Brand: SUNON

SKU: 999346261159

Category: Axial & Centrifugal Fans

Price: \$28.99

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Product Page:

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Product Description

SUNON MG75090V1-C060-S9A is a 5VDC 75mm Blower optimized for high-density thermal management in gaming laptops. Utilizing SUNON proprietary MagLev motor technology, this unit eliminates mechanical contact between the shaft and bearing, significantly reducing thermal impedance and structural rigidity issues common in standard sleeve designs. The aerodynamic centrifugal impeller is engineered for high static pressure, essential for pushing air through dense copper heat pipe fins. Operating at 0.40A with a rated airflow of 11.0CFM, it provides a reliable cooling solution for high-performance hardware. This DC brushless blower ensures stable thermal profiles during peak processing loads, maintaining system longevity and preventing thermal throttling.

Model Number: MG75090V1-C060-S9A

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Product Type: Blower Fan

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.40A

Power: 2.0W

Rated Speed: 3800 RPM

Bearing Type: MagLev (Magnetic Levitation)

Max. Air Flow: 11.0 CFM (18.7 m³/h / 0.31 m³/min)

Max. Static Pressure: 12.5 mmH₂O (122.6 Pa / 0.49 inH₂O)

Dimensions: 75 x 75 x 9 mm

Weight: 45g

Life Expectancy: 50,000 Hours at 40°C

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Termination: 4-Pin Connector

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection: Auto Restart, Polarity Protection

Certifications: CE, TUV, UL

MG75090V1-C060-S9A Applications

1. Dell Alienware 17 R4/R5 Chassis: Direct replacement fan designed to overcome the high system impedance of multi-heatpipe cooling arrays in 17-inch gaming notebooks.
2. Ultra-Thin Thermal Modules: Low-profile centrifugal design provides concentrated airflow for localized heat dissipation where axial fans lack the necessary static pressure.

Supplemental Images

