

MF60090V1-C482-S9A SUNON 5VDC 60x60x9mm Blower Fan Datasheet



Brand: SUNON

SKU: [941241375907](#)

Category: Axial & Centrifugal Fans

Price: **\$21.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mf60090v1-c482-s9a-sunon-5vdc-60x60x9mm-blower-fan>

Product Description

SUNON MF60090V1-C482-S9A is a 5VDC 60x60x9mm Blower Fan optimized for thermal management in ultra-compact computing environments. Utilizing SUNON's proprietary MagLev motor technology, this unit minimizes thermal impedance while maintaining structural rigidity under high-speed operation. The aerodynamic impeller design is engineered to overcome the high system impedance typical of dense laptop heat sink assemblies. Operating at a rated power of 2.00W, this 4-wire PWM-controlled fan provides precise thermal regulation and low acoustic signatures. It serves as a critical cooling component for ASUS VM60 and VM40B series, ensuring stable performance by maintaining optimal junction temperatures through efficient heat dissipation.

Model Number: MF60090V1-C482-S9A

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Product Type: Blower Fan

Rated Voltage: 5 VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.40 A

Power: 2.00 W

Rated Speed: 4500 RPM

Bearing Type: Vapo Bearing

Max. Air Flow: 4.8 CFM (8.15 m³/h / 0.13 m³/min)

Max. Static Pressure: 13.21 mmH₂O (129.5 Pa / 0.52 inH₂O)

Dimensions: 60 x 60 x 9 mm

Weight: 25 g

Life Expectancy: 50000 hours

Speed Control: 4-Wire PWM / Tachometer

Ingress Protection: IP50

Insulation Class: Class A

Noise Level: 32.5 dB(A)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Termination: 4-Pin Connector

Operating Temperature: -10 to +70 C

Storage Temperature: -40 to +70 C

Mounting Orientation: Any

Protection Features: Auto Restart, Polarity Protection

MF60090V1-C482-S9A Applications

1. ASUS VM60 and VM40B Series Laptops: Direct replacement fan engineered to match the specific pressure-flow curve required for internal heat pipe cooling modules.
2. Small Form Factor (SFF) PC Cooling: Ideal for overcoming high system impedance in restricted airflow environments where a standard axial fan cannot provide sufficient static pressure.

Supplemental Images

