

MF40F-12A SEPA 12VDC 40x40x10mm Low Noise Axial Fan Datasheet



Brand: SEPA

SKU: [1009990886586](#)

Category: Axial & Centrifugal Fans

Price: **\$5.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mf40f-12a-sepa-12vdc-40x40x10mm-low-noise-axial-fan>

Product Description

The SEPA MF40F-12A is a precision-engineered DC axial fan designed for compact electronic assemblies requiring efficient thermal management. Utilizing advanced motor technology, this unit delivers consistent airflow while maintaining minimal acoustic resonance, ensuring optimal operation in noise-sensitive environments. The aerodynamic blade geometry is optimized to reduce turbulence and enhance static pressure capabilities within restricted enclosures. Constructed with high-grade materials to ensure structural rigidity, the MF40F-12A minimizes thermal impedance in high-density circuits. Its robust design supports reliable long-term performance, making it an essential component for maintaining system stability and preventing thermal throttling in micro-electronic applications.

Model Number: MF40F-12A

Brand: SEPA

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.04 A

Power Consumption: 0.48 W

Rated Speed: 5800 RPM

Bearing Type: Hypro Bearing

Max. Air Flow: 4.24 CFM (7.2 m³/h / 0.12 m³/min)

Max. Static Pressure: 2.54 mmH₂O (24.9 Pa / 0.10 inH₂O)

Dimensions: 40x40x10mm

Weight: 14 g

Noise Level: 23 dBA

Termination: 3-Wire Lead

Frame Material: Glass Fiber Reinforced PBT (UL94V-0)

Blade Material: Glass Fiber Reinforced PBT (UL94V-0)

Operating Temperature: -10°C to +60°C

Storage Temperature: -30°C to +70°C

Life Expectancy: 40,000 Hours at 40°C

Speed Control: Tachometer Signal (FG)

This compact cooling solution is specifically engineered for integration into space-constrained electronic environments such as small form factor chassis and embedded CPU cooling systems. The MF40F-12A is frequently utilized in network appliances, DVR systems, and precision medical instrumentation where reliable heat dissipation is critical. By maintaining optimal operating temperatures, the MF40F-12A ensures the longevity of sensitive components in industrial automation controllers and telecommunications equipment, providing a balance between airflow performance and acoustic discretion.

Supplemental Images

