

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



Brand: SEPA

SKU: [990956042307](#)

Category: Axial & Centrifugal Fans

Price: **\$11.99**

E-mail: sales@equipspares.com

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Product Page:

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

Product Description

The SEPA MF40F-12 is a compact DC axial fan designed for precision thermal management in space-constrained electronic assemblies. Engineered with a highly efficient motor drive and an optimized impeller geometry, this unit delivers consistent airflow while maintaining a low acoustic profile. The construction features a durable thermoplastic housing that ensures structural rigidity and resistance to vibration. Utilizing advanced bearing technology, the MF40F-12 minimizes friction and heat generation, contributing to a favorable thermal impedance and extended operational lifespan. Its low power consumption makes it an ideal solution for energy-sensitive applications requiring reliable forced convection cooling.

Model Number: MF40F-12

Brand: SEPA

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.06 A

Power Consumption: 0.72 W

Rated Speed: 5800 RPM

Bearing Type: Hypro Bearing

Max. Air Flow: 4.9 CFM (8.3 m³/h / 0.14 m³/min)

Max. Static Pressure: 2.8 mmH₂O (27.4 Pa / 0.11 inH₂O)

Dimensions: 40 x 40 x 10 mm

Weight: 14 g

Life Expectancy: 40,000 Hours @ 40°C

Noise Level: 26 dBA

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: 2-Wire Leads

Operating Temperature: -10°C to +60°C

Storage Temperature: -30°C to +70°C

Mounting Orientation: Any

Ingress Protection: IP20

The MF40F-12 is engineered for critical cooling tasks in compact electronic devices where space is at a premium and noise reduction is a priority. Common deployment scenarios include chipset cooling in embedded systems, ventilation for DVR/NVR security recorders, and thermal regulation in small-scale telecommunications equipment. The MF40F-12 is also frequently utilized in 3D printer hotend cooling and medical instrumentation, providing reliable airflow to prevent thermal throttling without introducing significant acoustic interference.

Supplemental Images

