

MF40T-12L SEPA 12VDC 40x40x10mm Hydraulic Axial Fan Datasheet



Brand: SEPA

SKU: [1007964651943](#)

Category: Axial & Centrifugal Fans

Price: **\$7.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mf40t-12l-sepa-12vdc-40x40x10mm-hydraulic-axial-fan>

Product Description

The SEPA MF40T-12L is a precision-engineered axial cooling fan designed for compact electronic thermal management. Utilizing advanced hydraulic bearing architecture, this unit ensures reduced frictional coefficients and extended operational longevity compared to standard sleeve bearing alternatives. The aerodynamic impeller design optimizes airflow while maintaining low acoustic signatures, making it ideal for noise-sensitive environments. Engineered with structural rigidity, the frame minimizes vibration transmission, ensuring stable performance under continuous operation. This 12VDC component delivers reliable thermal impedance reduction for high-density circuitry, balancing power consumption with effective heat dissipation in restricted spatial envelopes.

Model Number: MF40T-12L

Brand: SEPA

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Rated Current: 0.04A

Power Consumption: 0.48W

Dimensions: 40x40x10mm

Bearing Type: Hydraulic Bearing

Termination: 2-Wire Leads

Connector Type: Stripped Leads (Standard)

Frame Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Direction of Rotation: Counter-clockwise

Airflow Direction: Strut Side

Operating Temperature: -10°C to +60°C

Storage Temperature: -40°C to +70°C

Mounting Type: Flange Mount

Cooling Method: Active Airflow

Application: Electronic Component Cooling

The MF40T-12L is specifically calibrated for integration into compact electronic assemblies where space is at a premium. Common deployment scenarios include chipset cooling in small form factor PCs, ventilation for DVR/NVR security systems, and thermal regulation in portable medical instrumentation. The MF40T-12L also serves effectively in network switchgear and industrial automation controllers, providing consistent airflow to prevent thermal throttling in enclosed chassis environments.

Supplemental Images

