MF50F-12LA SEPA 12VDC 50x50x10mm Hydraulic Axial Fan Datasheet

Brand: SEPA

SKU: 1008917233337

Category: Axial & Centrifugal Fans

Price: **$7.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/mf50f-12la-sepa-12vdc-50x50x10mm-hydraulic-axial-fan

Product Description

The SEPA MF50F-12LA is a DC Axial Fan engineered for precision thermal management in compact electronic assemblies requiring minimal acoustic resonance. Utilizing advanced hydraulic bearing technology, this unit minimizes frictional coefficients while maintaining structural rigidity under continuous operation. The aerodynamic blade geometry is optimized to reduce turbulence, ensuring efficient airflow delivery at a low power consumption rate. Designed for high-reliability applications, the fan offers a balanced ratio of static pressure to airflow, effectively mitigating thermal impedance in restricted enclosures while preserving a silent operating profile.

Model Number: MF50F-12LA
Brand: SEPA
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.02 A
Power Consumption: 0.24 W
Dimensions: 50x50x10mm
Bearing Type: Hydraulic Bearing
Termination: 3-Wire Lead
Interface: 3-Pin Connector

Speed Type: Low Speed / Silent
Noise Level: Ultra-Low Acoustic Profile
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Mounting Orientation: Any
Operating Temperature: -10°C to +60°C
Application: Chassis, Power Supply, DVR

The MF50F-12LA is specifically calibrated for integration into sensitive electronic environments where acoustic dampening is critical. Common deployment scenarios include compact power supply units, small form-factor chassis cooling, and network appliance ventilation. The MF50F-12LA ensures reliable heat dissipation in DVR systems, home theater PCs, and precision instrumentation, preventing thermal throttling while maintaining an unobtrusive auditory footprint suitable for quiet office and residential settings.

Supplemental Images