

# MFC25F-12A SEPA 12VDC 25x25x10mm 3-Wire Axial Fan Datasheet



**Brand:** SEPA

**SKU:** [753639749272](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$9.99**

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/mfc25f-12a-sepa-12vdc-25x25x10mm-3-wire-axial-fan>

## Product Description

The SEPA MFC25F-12A is a precision-engineered Micro Axial Fan designed for high-density electronic environments requiring efficient thermal management within a compact footprint. Utilizing advanced DC brushless motor technology, this unit operates at a rated voltage of 12VDC with a minimal current draw of 0.06A, ensuring energy efficiency while maintaining optimal airflow dynamics. The structural rigidity of the 25mm frame, combined with an aerodynamically optimized impeller, significantly reduces turbulence and acoustic noise, making it suitable for noise-sensitive applications. The internal bearing architecture is calibrated for longevity and rotational stability, effectively lowering thermal impedance in restricted enclosures and ensuring reliable continuous operation.

Model Number: MFC25F-12A

Brand: SEPA

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Operating Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.06 A

Input Power: 0.72 W

Rated Speed: 7500 RPM

Max. Air Flow: 2.2 CFM (3.74 m<sup>3</sup>/h / 0.06 m<sup>3</sup>/min)

Max. Static Pressure: 2.8 mmH<sub>2</sub>O (27.4 Pa / 0.11 inH<sub>2</sub>O)

Noise Level: 24 dB(A)

Dimensions: 25 x 25 x 10 mm

Bearing Type: Hypro Bearing

Termination: 3-Wire Lead

Wire Function: Red (+), Black (-), Yellow (Signal/Tach)

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Operating Temperature: -10°C to +60°C

Storage Temperature: -30°C to +70°C

Weight: 8 g

Life Expectancy: 40,000 Hours at 40°C

The MFC25F-12A is engineered for compact electronic assemblies where space is at a premium and thermal reliability is critical. Common deployment scenarios include chipset cooling in embedded systems, ventilation for handheld medical devices, and thermal regulation in DVR or NVR security systems. The MFC25F-12A is also frequently utilized in small-scale telecommunications equipment and precision optical instruments, providing consistent airflow to prevent component degradation due to heat accumulation.

## Supplemental Images

---

