

MFB52A-12HA SEPA 12VDC 52x52x10mm 3-Wire DC Axial Fan Datasheet



Brand: SEPA

SKU: [1021952438869](#)

Category: Axial & Centrifugal Fans

Price: **\$54.99**

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Product Page:

<https://www.equipspares.com/product/mfb52a-12ha-sepa-12vdc-52x52x10mm-3-wire-dc-axial-fan>

Product Description

The SEPA MFB52A-12HA is a precision-engineered DC Axial Fan designed for compact thermal management in high-density electronic assemblies. Utilizing advanced motor technology, this unit operates at a rated voltage of 12VDC with a current draw of 0.11A, delivering efficient airflow through its slim 52mm frame profile. The aerodynamic blade geometry is optimized to minimize turbulence while maintaining consistent static pressure, ensuring effective heat dissipation in restricted spaces. Constructed with high-grade materials to enhance structural rigidity and thermal impedance, the MFB52A-12HA features a robust bearing system that prolongs operational lifespan. Its 3-wire configuration supports speed monitoring, making it an ideal solution for critical cooling applications requiring reliable performance and feedback integration.

Model Number: MFB52A-12HA

Brand: SEPA

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.11 A

Power Consumption: 1.32 W

Dimensions: 52 x 52 x 10 mm

Bearing Type: Ball Bearing

Rated Speed: 5500 RPM

Max. Air Flow: 10.5 CFM (17.84 m³/h / 0.29 m³/min)

Max. Static Pressure: 3.2 mmH₂O (31.38 Pa / 0.12 inH₂O)

Noise Level: 31 dBA

Termination: 3-Wire Lead (Red +, Black -, Yellow FG)

Speed Signal: Tachometer Output (FG)

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 50,000 Hours @ 40°C

Weight: 25 g

Ingress Protection: IP40

Insulation Resistance: >10M Ohm at 500VDC

Dielectric Strength: 500VAC for 1 min

The MFB52A-12HA is specifically engineered for integration into compact electronic enclosures where space is at a premium but thermal reliability cannot be compromised. Common deployment environments include small form-factor server racks, network switches, and industrial automation control panels requiring active cooling. Additionally, the MFB52A-12HA is frequently utilized in medical instrumentation and telecommunications equipment, providing consistent airflow to prevent component overheating in continuous-duty cycles.

Supplemental Images

