

MF20C-05 SEPA 5VDC 20x20x8mm 3-Wire Axial Fan Datasheet



Brand: SEPA

SKU: [706352417744](#)

Category: Axial & Centrifugal Fans

Price: **\$26.99**

E-mail: sales@equipspares.com

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

Product Page: <https://www.equipspares.com/product/mf20c-05-sepa-5vdc-20x20x8mm-3-wire-axial-fan>

Product Description

The SEPA MF20C-05 is a precision-engineered micro DC Axial Fan designed for high-density electronic applications requiring active thermal management within minimal spatial envelopes. Built upon a robust brushless DC motor platform, this unit ensures consistent rotational stability and reduced electromagnetic interference. The impeller geometry is optimized to maximize airflow efficiency while minimizing turbulence-induced noise, making it suitable for sensitive instrumentation. Featuring a durable bearing system and a structurally rigid frame, the MF20C-05 delivers reliable thermal impedance reduction, ensuring optimal operating temperatures for critical components in micro-robotics and compact computing systems.

Model Number: MF20C-05

Brand: SEPA

Product Type: DC Axial Fan

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.1 A

Power: 0.5 W

Rated Speed: 9500 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 1.3 CFM (2.2 m³/h / 0.036 m³/min)

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

Dimensions: 20x20x8 mm

Weight: 5.0 g

Noise Level: 21 dBA

Termination: 3-Wire (Lead Wires)

Speed Control: Tachometer Output (FG Signal)

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Operating Temperature: -10°C to +60°C

Storage Temperature: -20°C to +70°C

Life Expectancy: 30,000 Hours at 40°C

Mounting Orientation: Any

Ingress Protection: IP40

This miniature cooling solution is engineered for ultra-compact environments where standard cooling units cannot fit. The MF20C-05 is extensively used in micro-robotics, handheld medical diagnostic equipment, and portable sensing devices requiring reliable heat dissipation. Additionally, the MF20C-05 functions effectively in cooling specific chipsets within embedded systems, VRM arrays, and small-scale optical projectors, ensuring sustained performance and component longevity.

Supplemental Images

