MFB30G-05A SEPA 5VDC 30x30x10mm 3-Wire Micro Axial Fan Datasheet

Brand: SEPA

SKU: 971837417662

Category: Axial & Centrifugal Fans

Price: **$7.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/mfb30g-05a-sepa-5vdc-30x30x10mm-3-wire-micro-axial-fan

Product Description

The SEPA MFB30G-05A is a precision-engineered Micro Axial Fan designed for high-density electronic environments requiring efficient thermal management. Utilizing advanced DC brushless motor technology, this unit minimizes thermal impedance while maintaining exceptional structural rigidity within its compact 30mm chassis. The aerodynamic blade design optimizes airflow delivery, ensuring stable operation even under restricted static pressure conditions. Engineered for reliability, the MFB30G-05A integrates robust bearing architecture to reduce frictional losses and extend operational lifespan, making it an ideal solution for sensitive instrumentation where space and performance are critical constraints.

Model Number: MFB30G-05A
Brand: SEPA
Product Type: DC Micro Axial Fan
Rated Voltage: 5 VDC
Voltage Range: 4.5 - 5.5 VDC
Rated Current: 0.12 A
Input Power: 0.60 W
Rated Speed: 9500 RPM
Max. Air Flow: 3.60 CFM (6.12 m^3/h / 0.10 m^3/min)
Max. Static Pressure: 3.20 mmH_2O (31.38 Pa / 0.13 inH_2O)

Noise Level: 26.0 dB(A)
Dimensions: 30 x 30 x 10 mm
Bearing Type: Hypro Bearing
Termination: 3-Wire Lead (with Tachometer Signal)
Weight: 8.0 g
Operating Temperature: -10°C to +60°C
Storage Temperature: -20°C to +70°C
Frame Material: Glass Fiber Reinforced PBT (UL94V-0)
Blade Material: Glass Fiber Reinforced PBT (UL94V-0)
Insulation Resistance: 10M Ω at 500 VDC
Dielectric Strength: 500 VAC for 1 min
Life Expectancy: 40,000 Hours at 40°C
Safety Certifications: CE, RoHS, TUV

The MFB30G-05A is frequently deployed in compact electronic assemblies where internal clearance is minimal yet heat dissipation is mandatory. Common integration points include chipset cooling in embedded systems, active ventilation for handheld medical diagnostic tools, and localized thermal regulation in optical media devices. The MFB30G-05A ensures consistent airflow in portable projectors and micro-computing clusters, effectively preventing thermal throttling in high-load scenarios. Its miniature footprint allows the MFB30G-05A to fit seamlessly into dense PCB layouts found in telecommunications equipment and industrial automation sensors.

Supplemental Images