MFC30G-05L SEPA 5VDC 30x30x10mm 2-Wire Axial Fan Datasheet

Brand: SEPA

SKU: 921035346455

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page: https://www.equipspares.com/product/mfc30g-05l-sepa-5vdc-30x30x10mm-2-wire-axial-fan

Product Description

The SEPA MFC30G-05L is a compact DC axial fan engineered for precision thermal management in space-constrained electronic assemblies. Utilizing advanced motor technology and a streamlined blade geometry, this unit optimizes airflow while minimizing acoustic resonance and vibration. The 30mm frame construction ensures structural rigidity, maintaining consistent blade clearance and aerodynamic efficiency under continuous operation. Designed with a focus on low thermal impedance, the MFC30G-05L provides reliable heat dissipation for sensitive components, balancing power consumption with effective static pressure generation. Its robust bearing architecture supports prolonged operational lifecycles, making it a critical component for maintaining system stability in dense circuit environments.

Model Number: MFC30G-05L
Brand: SEPA (Nippon Keiki Works)
Product Type: DC Axial Fan
Rated Voltage: 5VDC
Voltage Range: 4.5 - 5.5 VDC
Rated Current: 0.08 A
Power Input: 0.40 W
Rated Speed: 8500 RPM
Bearing Type: Sleeve Bearing
Max. Air Flow: 3.2 CFM (5.4 m^3/h / 0.09 m^3/min)

Max. Static Pressure: 2.8 mmH_2O (27.4 Pa / 0.11 inH_2O)
Dimensions: 30 x 30 x 10 mm
Weight: 8.0 g
Noise Level: 23.0 dB(A)
Termination: 2-Wire Lead (Red +, Black -)
Wire Length: 150 mm
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Operating Temperature: -10°C to +60°C
Storage Temperature: -20°C to +70°C
Insulation Resistance: 10M Ohm at 500VDC
Dielectric Strength: 500VAC for 1 min
Life Expectancy: 30,000 Hours at 25°C
Mounting Orientation: Any

The MFC30G-05L is specifically calibrated for integration into compact electronic devices where internal volume is at a premium. Common deployment scenarios include active cooling for chipsets on embedded motherboards, ventilation for handheld instrumentation, and thermal regulation within small form-factor DVR or NVR systems. The MFC30G-05L is also frequently utilized in portable medical devices, optical equipment, and 3D printer hotend cooling, ensuring that critical processors remain within safe thermal envelopes without adding significant weight or bulk to the chassis structure.

Supplemental Images