MFC30G-12 SEPA 12VDC 30x30x10mm Industrial Axial Fan Datasheet

Brand: SEPA

SKU: 765913196777

Category: Axial & Centrifugal Fans

Price: **$13.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/mfc30g-12-sepa-12vdc-30x30x10mm-industrial-axial-fan

Product Description

The SEPA MFC30G-12 is a precision-engineered Micro Axial Fan designed for high-density electronic applications requiring efficient thermal management within a compact footprint. Utilizing advanced DC motor technology, this unit delivers consistent airflow while maintaining a low power profile, effectively lowering the thermal impedance of sensitive components. The 30mm frame is constructed from durable, flame-retardant thermoplastic, ensuring structural rigidity and vibration damping during continuous operation. Its aerodynamic impeller design maximizes static pressure, making it an ideal solution for overcoming resistance in space-constrained industrial environments. The fan operates with high reliability, supported by a robust bearing architecture designed for extended service life in demanding operational conditions.

Model Number: MFC30G-12
Brand: SEPA
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.06 A
Power Consumption: 0.72 W
Rated Speed: 8500 RPM
Max. Air Flow: 3.53 CFM (6.0 m^3/h / 0.10 m^3/min)

Max. Static Pressure: 3.05 mmH_2O (29.9 Pa / 0.12 inH_2O)
Noise Level: 24.0 dB(A)
Dimensions: 30 x 30 x 10 mm
Bearing Type: Sleeve Bearing
Termination: 2-Wire Leads (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: -30°C to +70°C
Weight: 8.0 g
Life Expectancy: 30,000 Hours at 40°C
Insulation Resistance: 10M Ohm at 500VDC
Dielectric Strength: 500VAC for 1 Minute
Motor Protection: Impedance Protected
Mounting Orientation: Any

The MFC30G-12 is specifically calibrated for integration into compact electronic assemblies where space is at a premium and airflow efficiency is critical. Common deployment scenarios include active cooling for chipsets in embedded systems, ventilation for handheld medical devices, and thermal regulation in portable telecommunications equipment. The MFC30G-12 ensures critical components remain within safe operating temperatures, preventing thermal throttling in dense circuit board layouts, DVR systems, and small-form-factor industrial controllers.

Supplemental Images