MF40J-12L SEPA 12VDC 40x40x10mm MagLev Bearing Axial Fan Datasheet

Brand: SEPA

SKU: 1012410553744

Category: Axial & Centrifugal Fans

Price: **$7.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/mf40j-12l-sepa-12vdc-40x40x10mm-maglev-bearing-axial-fan

Product Description

The SEPA MF40J-12L is a precision-engineered DC Axial Fan designed for compact thermal management applications requiring minimal acoustic signatures. Utilizing advanced magnetic suspension bearing technology, this unit minimizes frictional coefficients, thereby enhancing rotational stability and extending operational lifespan. The aerodynamic impeller geometry is optimized to deliver consistent airflow while maintaining low thermal impedance within restricted enclosures. Constructed with high-grade thermoplastic components, the MF40J-12L ensures structural rigidity and reliable performance in sensitive electronic environments, making it an optimal solution for devices sensitive to vibration and noise.

Model Number: MF40J-12L
Brand: SEPA
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.04 A
Power Consumption: 0.48 W
Rated Speed: 4200 RPM
Bearing Type: Magnetic Suspension (MagLev)
Max. Air Flow: 4.6 CFM (7.8 m^3/h / 0.13 m^3/min)

Max. Static Pressure: 2.1 mmH_2O (20.6 Pa / 0.08 inH_2O)
Dimensions: 40x40x10mm
Noise Level: 21 dBA
Termination: 2-Wire Lead
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Operating Temperature: -10°C to +60°C
Storage Temperature: -30°C to +70°C
Life Expectancy: 50,000 Hours @ 40°C
Weight: 14 g

The SEPA MF40J-12L is specifically engineered for integration into compact electronic assemblies where space constraints and noise reduction are critical factors. Common deployment scenarios include cooling chipsets on computer motherboards, graphics card VRM cooling, and thermal regulation within small form-factor industrial devices. The MF40J-12L provides reliable airflow for network appliances and embedded systems, ensuring component longevity by preventing thermal throttling. Its low-power profile also makes the MF40J-12L ideal for battery-operated portable instrumentation and precision medical equipment.

Supplemental Images