SF27A-09A SEPA 9VDC 27x27x10mm Micro Cooling Axial Fan Datasheet

Brand: SEPA

SKU: 756097531565

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/sf27a-09a-sepa-9vdc-27x27x10mm-micro-cooling-axial-fan

Product Description

The SEPA SF27A-09A is a compact Axial Fan engineered for precision thermal management in space-constrained electronic assemblies. Utilizing advanced DC motor technology, this unit delivers consistent airflow while maintaining a low thermal impedance profile. The 27mm frame is constructed from glass-reinforced PBT for structural rigidity, housing an optimized impeller design that balances static pressure with acoustic performance. Designed for reliability, the motor assembly ensures stable operation under continuous duty cycles, making it an ideal solution for micro-component cooling where heat dissipation efficiency is critical. The fan features a specialized bearing system designed to minimize friction and extend operational lifespan in vertical or horizontal orientations, ensuring consistent cooling performance in industrial and consumer electronics applications.

Model Number: SF27A-09A
Brand: SEPA
Product Type: DC Axial Fan
Rated Voltage: 9VDC
Voltage Range: 8.0 - 10.0 VDC
Rated Current: 0.06 A
Power Input: 0.54 W
Rated Speed: 7500 RPM

Bearing Type: Sleeve Bearing
Max. Air Flow: 1.80 CFM (3.06 m^3/h / 0.05 m^3/min)
Max. Static Pressure: 2.50 mmH_2O (24.52 Pa / 0.10 inH_2O)
Dimensions: 27x27x10mm
Weight: 8.0 g
Noise Level: 21.0 dBA
Housing Material: Glass Reinforced PBT (UL94V-0)
Impeller Material: Glass Reinforced PBT (UL94V-0)
Termination: 2-Wire Leads
Operating Temperature: -10°C to +60°C
Storage Temperature: -30°C to +70°C
Life Expectancy: 30,000 Hours at 40°C
Mounting Orientation: Any

The SF27A-09A is specifically calibrated for integration into compact electronic devices requiring active cooling without significant footprint consumption. Common deployment environments include portable instrumentation, miniature projectors, and chipset cooling in embedded systems. The SF27A-09A ensures thermal stability in handheld medical devices and optical equipment, preventing thermal throttling in high-density PCB layouts where space is at a premium.

Supplemental Images