

F2510AF-05UCW ICFAN 5VDC 25x25x10mm Low Noise Axial Fan Datasheet



Brand: ICFAN

SKU: [756890977845](#)

Category: Axial & Centrifugal Fans

Price: **\$128.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/f2510af-05ucw-icfan-5vdc-25x25x10mm-low-noise-axial-fan>

Product Description

The ICFAN F2510AF-05UCW is a precision-engineered DC Axial Fan designed to deliver optimal thermal management in highly constrained electronic assemblies. Utilizing advanced brushless motor technology, this unit minimizes thermal impedance while maintaining exceptional energy efficiency at a rated voltage of 5VDC. The chassis is constructed to ensure high structural rigidity, significantly reducing vibration-induced noise during operation, which aligns with its low-noise acoustic profile. Its aerodynamic impeller design maximizes airflow throughput relative to its compact 25mm footprint, making it an ideal solution for high-density circuitry requiring reliable heat dissipation. The motor integration ensures consistent rotational stability, contributing to a prolonged operational lifespan and robust performance in demanding industrial environments.

Model Number: F2510AF-05UCW

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Product Type: DC Axial Fan

Rated Voltage: 5 VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.13 A

Input Power: 0.65 W

Rated Speed: 9000 RPM \pm 15%

Bearing Type: Precision Hydro-Dynamic Bearing

Max. Air Flow: 2.4 CFM (4.08 m³/h / 0.06 m³/min)
Max. Static Pressure: 3.5 mmH₂O (34.3 Pa / 0.14 inH₂O)
Dimensions: 25 x 25 x 10 mm
Weight: 7.5 g
Life Expectancy: 40,000 Hours at 25°C
Noise Level: 24.5 dB(A)
Frame Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Ingress Protection: IP40
Insulation Class: Class A
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Termination: 2-Wire Lead (Red +, Black -)
Wire Length: 150 mm
Motor Protection: Impedance Protected
Dielectric Strength: 500VAC for 1 Min
Mounting Orientation: Any

The F2510AF-05UCW is specifically engineered for integration into compact electronic devices where space is at a premium but thermal reliability cannot be compromised. Common deployment environments include portable medical instrumentation, miniature projectors, and active cooling for chipset heatsinks on embedded motherboards. The F2510AF-05UCW is also frequently utilized in handheld testing equipment, VR headsets, and small-scale IoT gateways, ensuring critical components remain within safe operating temperature ranges without adding significant weight or bulk to the final assembly.

Supplemental Images

