

F3010EB-12TCV-A ICFAN 12VDC 30x30x10mm Silent Axial Fan Datasheet



Brand: ICFAN

SKU: [753425149187](#)

Category: Axial & Centrifugal Fans

Price: **\$5.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/f3010eb-12tcv-a-icfan-12vdc-30x30x10mm-silent-axial-fan>

Product Description

The ICFAN F3010EB-12TCV-A is a compact DC axial fan engineered for precision thermal management in space-constrained electronic enclosures. Utilizing an advanced DC brushless motor architecture, this 30mm cooling solution delivers an optimal balance between airflow throughput and acoustic performance. The unit features a specialized impeller design that minimizes turbulence-induced noise, resulting in a low acoustic signature suitable for sensitive environments. Constructed with high-rigidity thermoplastic housing, the F3010EB-12TCV-A ensures structural integrity under continuous operation. Its aerodynamic profile reduces thermal impedance within hard drive enclosures and compact circuitry, maintaining operational stability through efficient heat dissipation.

Model Number: F3010EB-12TCV-A

Brand: ICFAN

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.11 A

Power Consumption: 1.32 W

Rated Speed: 9000 RPM

Bearing Type: Precision Hydro Dynamic Bearing

Max. Air Flow: 4.20 CFM (7.13 m³/h / 0.11 m³/min)

Max. Static Pressure: 3.80 mmH₂O (37.26 Pa / 0.15 inH₂O)

Dimensions: 30 x 30 x 10 mm

Weight: 8.0 g

Life Expectancy: 40,000 Hours at 40°C

Noise Level: 26.0 dB(A)

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: 2-Wire Lead

Wire Gauge: 28 AWG

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Insulation Resistance: >10M Ohm at 500VDC

Dielectric Strength: 500VAC for 1 Minute

Safety Certifications: CE, RoHS

The F3010EB-12TCV-A is specifically engineered for compact thermal applications requiring reliable airflow in restricted spaces. Its primary deployment is found within external hard drive enclosures and NAS systems where maintaining optimal drive temperatures is critical for data integrity. Additionally, the F3010EB-12TCV-A serves effectively in small form factor industrial controllers, 3D printer hotend cooling, and portable instrumentation. The fan's low acoustic profile makes it ideal for consumer electronics and medical handheld devices where noise suppression is paramount alongside thermal regulation.

Supplemental Images

