

F4006AP-12RCV ICFAN 12VDC 40x40x6mm Low Noise Axial Fan Datasheet



Brand: ICFAN

SKU: [904475673894](#)

Category: Axial & Centrifugal Fans

Price: **\$11.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/f4006ap-12rcv-icfan-12vdc-40x40x6mm-low-noise-axial-fan>

Product Description

The ICFAN F4006AP-12RCV is a compact Axial Fan engineered for space-constrained electronic assemblies requiring efficient thermal management. Utilizing a precision-wound DC brushless motor, this unit optimizes airflow dynamics while maintaining a low acoustic profile, making it ideal for noise-sensitive environments. The chassis is constructed from durable thermoplastic, offering structural rigidity and resistance to thermal deformation under continuous operation. Its aerodynamic impeller design minimizes turbulence, thereby reducing thermal impedance within high-density circuitry. This 40mm cooling solution balances static pressure and volumetric flow to ensure reliable heat dissipation in compact industrial and consumer electronics.

Model Number: F4006AP-12RCV

Brand: ICFAN

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.09 A

Power: 1.08 W

Dimensions: 40x40x6mm

Bearing Type: Hydraulic Bearing

Rated Speed: 5500 RPM

Max. Air Flow: 5.2 CFM (8.83 m³/h / 0.14 m³/min)

Max. Static Pressure: 2.1 mmH₂O (20.6 Pa / 0.08 inH₂O)

Noise Level: 24.5 dBA

Housing Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Termination: 2-Wire Leads

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 30,000 Hours at 40°C

Motor Type: Brushless DC

Ingress Protection: IP40

The F4006AP-12RCV is specifically designed for ultra-compact electronic applications where internal clearance is limited, such as 1U server chassis, chipset cooling, and portable medical instrumentation. Its slim 6mm profile allows for integration into tight enclosures without compromising airflow paths. The F4006AP-12RCV is also frequently utilized in DVR systems, network switches, and small form-factor PC builds where maintaining low noise levels is critical for user comfort.

Supplemental Images

