

# AD5012UB-D70 ADDA 12VDC 50x50x15mm Dual Ball Axial Fan Datasheet



**Brand:** ADDA

**SKU:** [989103629829](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$13.99**

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Product Page:

<https://www.equipspares.com/product/ad5012ub-d70-adda-12vdc-50x50x15mm-dual-ball-axial-fan>

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## Product Description

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The ADDA AD5012UB-D70 is a precision-engineered DC Axial Fan designed for high-reliability thermal management in compact industrial enclosures. Utilizing advanced Dual Ball Bearing architecture, this unit ensures exceptional longevity and structural rigidity, significantly reducing friction and heat generation during continuous operation. The aerodynamic impeller design optimizes airflow efficiency while maintaining a balanced acoustic profile, making it suitable for sensitive electronic environments. Operating at a rated 12VDC, the motor assembly features robust impedance protection and efficient commutation, delivering consistent cooling performance. This component is specifically calibrated to lower thermal impedance in high-density circuitry, ensuring optimal stability for critical hardware components.

Model Number: AD5012UB-D70

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.20 A

Input Power: 2.40 W

Rated Speed: 6800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 18.5 CFM (31.43 m<sup>3</sup>/h / 0.52 m<sup>3</sup>/min)

Max. Static Pressure: 0.28 inH<sub>2</sub>O (69.7 Pa / 7.11 mmH<sub>2</sub>O)

Dimensions: 50 x 50 x 15 mm

Weight: 28 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 39.0 dB(A)

Frame Material: Glass Fiber Reinforced PBT (UL94V-0)

Impeller Material: Glass Fiber Reinforced PBT (UL94V-0)

Termination: 2-Wire Lead (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP44 (Standard)

Safety Certifications: UL, CUL, TUV, CE

Motor Protection: Impedance Protected, Reverse Polarity Protection

The AD5012UB-D70 is frequently deployed in compact server rack configurations and network switchgear where space is at a premium but thermal dissipation cannot be compromised. Its robust design makes the AD5012UB-D70 ideal for cooling power supply units, industrial automation controllers, and telecommunications equipment requiring continuous duty cycles. Additionally, this model serves effectively in medical instrumentation and embedded systems, safeguarding sensitive microprocessors from overheating.

## Supplemental Images

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