

# AB0512LB-RB6 ADDA 12VDC 50x50x15mm Low Noise DC Blower Fan Datasheet



**Brand:** ADDA

**SKU:** [989375617932](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$15.99**

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Product Page:

<https://www.equipspares.com/product/ab0512lb-rb6-adda-12vdc-50x50x15mm-low-noise-dc-blower-fan>

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## Product Description

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The ADDA AB0512LB-RB6 is a precision-engineered DC Blower Fan designed for applications requiring concentrated airflow and high static pressure within compact enclosures. Utilizing advanced DC brushless motor technology combined with a durable Ball Bearing architecture, this unit ensures minimal friction and extended operational longevity compared to sleeve bearing alternatives. The centrifugal aerodynamic design optimizes thermal impedance management, delivering consistent cooling performance even against significant back pressure. Constructed with high-grade thermoplastic materials, the AB0512LB-RB6 maintains structural rigidity under continuous operation, making it an ideal solution for thermal regulation in space-constrained electronic assemblies and industrial instrumentation.

Model Number: AB0512LB-RB6

Brand: ADDA

Product Type: DC Blower Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.07 A

Power Consumption: 0.84 W

Rated Speed: 3500 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 2.40 CFM (4.07 m<sup>3</sup>/h / 0.06 m<sup>3</sup>/min)  
Max. Static Pressure: 5.84 mmH<sub>2</sub>O (57.27 Pa / 0.23 inH<sub>2</sub>O)  
Dimensions: 50x50x15mm  
Weight: 28.0 g  
Life Expectancy: 70,000 Hours @ 40°C  
Noise Level: 25.0 dB(A)  
Frame Material: PBT Thermoplastic (UL94V-0)  
Impeller Material: PBT Thermoplastic (UL94V-0)  
Ingress Protection: IP40  
Insulation Class: Class A  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Termination: 3 Lead Wires  
Wire Gauge: 26 AWG  
Mounting Orientation: Any  
Motor Protection: Impedance Protected  
Safety Certifications: UL, cUL, TUV, CE

The ADDA AB0512LB-RB6 is frequently integrated into precision equipment where directed airflow is critical for component stability. Common deployments include hotend cooling in 3D printers, where the AB0512LB-RB6 provides the necessary static pressure to dissipate heat effectively from the heatsink. Additionally, this blower is utilized in compact projectors, humidifiers, and telecommunications equipment requiring spot cooling for specific chipsets or power regulators. The compact form factor allows the ADDA AB0512LB-RB6 to fit seamlessly into tight chassis environments, ensuring reliable thermal management in industrial and consumer electronics.

## Supplemental Images

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