

AUB0512LB-AT48 Delta 12VDC 50x50x15mm 0.11A Axial Fan Datasheet



Brand: Delta

SKU: [726629518281](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/aub0512lb-at48-delta-12vdc-50x50x15mm-0-11a-axial-fan>

Product Description

The Delta AUB0512LB-AT48 is a precision-engineered DC axial fan designed to deliver reliable thermal management in compact electronic assemblies. Utilizing Delta's proprietary Superflo bearing technology, this unit bridges the gap between sleeve and ball bearings, offering the acoustic benefits of the former with the extended longevity and thermal stability of the latter. The aerodynamic impeller design minimizes turbulence-induced noise while maintaining consistent static pressure, optimizing the thermal impedance within the system. Constructed with a high-grade UL94V-0 PBT frame, the fan ensures structural rigidity and fire resistance, making it an ideal solution for continuous duty cycles in industrial and commercial environments requiring low-noise operation.

Model Number: AUB0512LB-AT48

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.11 A

Power Input: 1.32 W

Rated Speed: 4300 RPM

Bearing Type: Superflo Bearing

Max. Air Flow: 10.2 CFM (17.33 m³/h / 0.28 m³/min)

Max. Static Pressure: 2.69 mmH₂O (26.4 Pa / 0.106 inH₂O)

Dimensions: 50x50x15mm

Weight: 20 g

Noise Level: 21.5 dB-A

Life Expectancy: 50,000 Hours at 40°C

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

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

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: N/A

Safety Certifications: UL, cUL, TUV, VDE, CE

Protection Features: Locked Rotor Protection, Polarity Protection

The AUB0512LB-AT48 is engineered for integration into space-constrained hardware where acoustic signatures must be kept to a minimum. Primary applications include cooling for small form-factor power supplies, network switches, and chipset cooling within industrial automation controllers. The AUB0512LB-AT48 is also widely deployed in medical instrumentation and home media devices, such as projectors and DVRs, where silent operation is critical for the user experience. Its durable bearing system ensures the AUB0512LB-AT48 maintains performance stability over long operational periods in telecommunications and server rack auxiliary systems.