

AFB0512LB-AF00 Delta 12VDC 50x50x15mm 3-Wire Axial Fan Datasheet



Brand: Delta

SKU: [923820373837](#)

Category: Axial & Centrifugal Fans

Price: **\$7.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/afb0512lb-af00-delta-12vdc-50x50x15mm-3-wire-axial-fan>

Product Description

The Delta AFB0512LB-AF00 is a precision-engineered DC Axial Fan designed for thermal management in compact electronic enclosures. Utilizing a robust Dual Ball Bearing system, this unit ensures minimal friction and extended operational longevity, significantly reducing thermal impedance in high-density environments. The aerodynamic impeller design optimizes airflow efficiency while maintaining low acoustic signatures, making it suitable for noise-sensitive applications. Constructed with UL94V-0 rated thermoplastic, the fan offers structural rigidity and reliable performance under continuous operation, featuring a 3-wire interface with Frequency Generator (FG) signal output for precise speed monitoring.

Model Number: AFB0512LB-AF00

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Operating Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.11 A

Input Power: 1.32 W

Rated Speed: 4000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 11.30 CFM (19.20 m³/h / 0.320 m³/min)

Max. Static Pressure: 3.24 mmH₂O (31.77 Pa / 0.128 inH₂O)

Dimensions: 50x50x15 mm

Noise Level: 24.0 dB-A

Termination: 3-Wire (Lead Wire)

Output Signal: Frequency Generator (Tachometer/F00)

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Weight: 25 g

Operating Temperature: -10°C to +70°C

Life Expectancy: 70,000 Hours (40°C)

Ingress Protection: N/A

The AFB0512LB-AF00 is specifically engineered for critical cooling applications within server racks, switching power supplies, and compact telecommunications equipment. Its compact 50mm form factor allows for integration into tight spaces found in network switches and industrial automation controllers where efficient heat dissipation is paramount. The AFB0512LB-AF00 ensures reliable airflow to prevent thermal throttling in sensitive components, making it an ideal choice for medical instrumentation and precision CNC control modules requiring consistent thermal stability.

Supplemental Images

