

AFB0812SHB-7AP Delta 12VDC 80x80x15mm 2-Wire Axial Fan Datasheet



Brand: Delta

SKU: [918155358372](#)

Category: Axial & Centrifugal Fans

Price: **\$11.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/afb0812shb-7ap-delta-12vdc-80x80x15mm-2-wire-axial-fan>

Product Description

The Delta AFB0812SHB-7AP is a DC Axial Fan engineered for high-density thermal management applications requiring a slim profile. Featuring a precision-balanced brushless DC motor and a robust dual ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes static pressure generation while maintaining structural rigidity, effectively reducing thermal impedance in restricted enclosures. Its 15mm thickness allows for integration into space-constrained environments without compromising volumetric airflow performance, utilizing UL 94V-0 rated thermoplastic materials for safety and durability.

Model Number: AFB0812SHB-7AP

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.40 A

Power Consumption: 4.80 W

Rated Speed: 4700 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 46.62 CFM (79.21 m³/h / 1.32 m³/min)

Max. Static Pressure: 6.12 mmH₂O (60.0 Pa / 0.24 inH₂O)

Dimensions: 80x80x15mm

Weight: 62 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 43.0 dB-A

Housing Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Termination: 2-Wire (Lead Wire)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Insulation Class: Class A

Ingress Protection: IP20

Safety Certifications: UL, cUL, TUV, CE

Protection: Locked Rotor Protection, Polarity Protection

This cooling solution is specifically calibrated for deployment in compact server chassis, workstation CPU cooling modules, and industrial automation enclosures where vertical clearance is limited. The AFB0812SHB-7AP excels in evacuating waste heat from dense component arrays, making it suitable for telecommunications equipment and custom DIY high-performance computing rigs. Additionally, the AFB0812SHB-7AP serves as a reliable replacement component for legacy power supply units and rack-mounted network appliances requiring sustained airflow.

Supplemental Images

