

AFB0812SH-ZSR Delta 12VDC 80x80x25mm 4-Wire Axial Fan Datasheet



Brand: Delta

SKU: [965545610514](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/afb0812sh-zsr-delta-12vdc-80x80x25mm-4-wire-axial-fan>

Product Description

The Delta AFB0812SH-ZSR is a precision-engineered DC axial fan designed for high-reliability thermal management in industrial and computing environments. Utilizing advanced dual ball bearing architecture, this unit ensures minimal friction and extended operational lifespan under continuous load. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity, effectively reducing thermal impedance in dense electronic enclosures. Engineered with a 4-wire interface, it supports precise speed control and monitoring, making it ideal for dynamic cooling requirements where performance stability and component longevity are critical.

Model Number: AFB0812SH-ZSR

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Operating Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.51 A

Input Power: 6.12 W

Rated Speed: 4000 RPM

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

Max. Static Pressure: 6.78 mmH₂O (66.49 Pa / 0.267 inH₂O)

Noise Level: 40.0 dB-A

Bearing Type: Dual Ball Bearing
Dimensions: 80 x 80 x 25.4 mm
Termination: 4-Wire (PWM/Tachometer)
Housing Material: Plastic (UL 94V-0)
Impeller Material: Plastic (UL 94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Life Expectancy: 70,000 Hours at 40°C
Weight: 80 g
Ingress Protection: IP20
Safety Certifications: UL, cUL, TUV, VDE, CE

Designed for critical thermal regulation, the AFB0812SH-ZSR excels in high-density server racks, telecommunications equipment, and industrial automation control panels. Its robust airflow capabilities make it suitable for cooling power supplies and workstation chassis where consistent heat dissipation is mandatory. The AFB0812SH-ZSR integrates seamlessly into systems requiring PWM speed modulation, ensuring optimal cooling performance in medical devices and precision CNC machinery electronics.

Supplemental Images

