AFB0812SHB-7BE Delta 12VDC 80x80x15mm High Airflow Axial Fan Datasheet

Brand: Delta

SKU: 763574587469

Category: Axial & Centrifugal Fans

Price: **$8.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/afb0812shb-7be-delta-12vdc-80x80x15mm-high-airflow-axial-fan

Product Description

The Delta Electronics AFB0812SHB-7BE is a precision-engineered DC axial fan designed for high-density thermal management applications requiring a compact 15mm profile. Utilizing advanced brushless DC motor technology paired with a robust dual ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous loads. The aerodynamic impeller design optimizes P-Q performance, delivering significant airflow while maintaining structural rigidity against backpressure. Engineered with a flame-retardant PBT housing, the fan minimizes thermal impedance and vibration, making it an ideal solution for systems where spatial constraints and reliability are critical design parameters.

Model Number: AFB0812SHB-7BE
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.40 A
Input Power: 4.80 W
Rated Speed: 4500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 46.0 CFM (78.15 m^3/h / 1.30 m^3/min)

Max. Static Pressure: 6.60 mmH_2O (64.72 Pa / 0.26 inH_2O)
Dimensions: 80x80x15mm
Weight: 62 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 42.0 dB-A
Ingress Protection: IP50
Insulation Class: Class A
Housing Material: Plastic (UL 94V-0)
Impeller Material: Plastic (UL 94V-0)
Termination: 2-Wire Leads (Red +, Black -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Safety Certifications: UL, cUL, TUV, CE

This cooling solution is specifically engineered for compact electronic enclosures, including 1U/2U server racks, industrial power supplies, and high-performance computer chassis. The AFB0812SHB-7BE excels in environments requiring efficient heat dissipation from tightly packed components such as heatsinks and drive arrays. Additionally, the AFB0812SHB-7BE is frequently utilized in telecommunications equipment and medical instrumentation where consistent airflow and long-term durability are essential for maintaining system stability.

Supplemental Images


DC BRUSHLESS
MODEL AFB0812SHB
DC12V 0.40A 7BE
ZP FS
7Y18S4R
DELTA ELECTRONICS, INC.
MADE IN CHINA (WF)