AFB0412SHB-V85 Delta 12V 1.92W 40x40x15mm DC Axial Fan Datasheet

Brand: Delta

SKU: 1045065154458

Category: Axial & Centrifugal Fans

Price: **$23.57**

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Product Page:
https://www.equipspares.com/product/afb0412shb-v85-delta-12v-1-92w-40x40x15mm-dc-axial-fan

Product Description

Delta AFB0412SHB-V85 is a 40 x 40 x 15 mm DC axial fan operating at a nominal 12 VDC with a power consumption of 1.92 W and a rated speed of 11000 RPM. The unit features a dual ball bearing system and a brushless DC motor housed in a UL 94V-0 plastic PBT impeller and frame. It delivers an air flow of 0.420 m³/min (14.83 CFM) and a static pressure of 14.12 mm H2O (0.556 in H2O) while maintaining an acoustic noise level of 41.5 dB-A. The electrical interface consists of a 4-wire lead configuration supporting Pulse Width Modulation (PWM) for precise speed regulation.

AFB0412SHB-V85 Specifications
Model: AFB0412SHB-V85
Brand: Delta Electronics
Category: DC Axial Fan
Rated Voltage: 12 VDC
Operating Voltage Range: 7.0 to 13.8 VDC
Input Current: 0.16 A
Label Current: 0.35 A
Input Power: 1.92 W
Rated Speed: 11000 RPM
Maximum Air Flow: 0.420 m³/min (14.83 CFM)
Maximum Static Pressure: 14.12 mm H2O (0.556 in H2O)

Acoustic Noise: 41.5 dB-A
Bearing Type: Dual Ball Bearing
Frame Material: Plastic (UL 94V-0 PBT)
Impeller Material: Plastic (UL 94V-0 PBT)
Termination: 4-Wire Lead Wires
Control Function: PWM (Pulse Width Modulation)
Operating Temperature: -10 to 70 °C
Storage Temperature: -40 to 75 °C
Weight: 25.0 g
Dimensions: 40 x 40 x 15 mm
Insulation Resistance: 10 Meg Ohm min at 500 VDC
Dielectric Strength: 5 mA max at 500 VAC 50/60 Hz one minute
Life Expectancy: 70,000 hours at 40 °C

AFB0412SHB-V85 Applications

Primary applications include integration into 1U network servers, telecommunications switching equipment, and high-density power supply units. Deployed within compact industrial workstations and medical diagnostic imaging systems requiring high-pressure localized cooling.

Supplemental Images