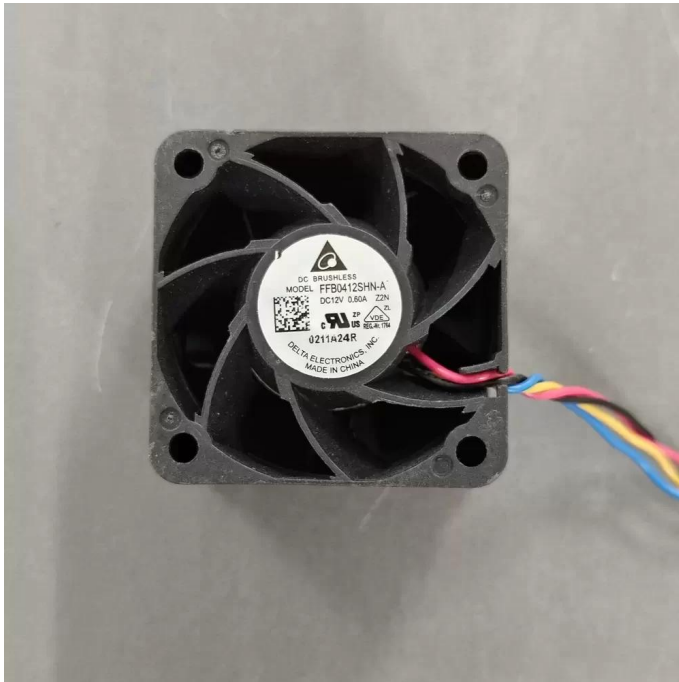


FFB0412SHN-AZ2N Delta 12VDC 0.60A 40x40x28mm Axial Fan Datasheet



Brand: Delta

SKU: [922071215893](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/ffb0412shn-az2n-delta-12vdc-0-60a-40x40x28mm-axial-fan>

Product Description

The Delta FFB0412SHN-AZ2N is a high-density DC axial fan engineered for mission-critical thermal management in space-constrained environments. Utilizing a sophisticated dual ball bearing architecture, this unit minimizes mechanical friction and thermal impedance, ensuring prolonged operational longevity under continuous duty cycles. The aerodynamic impeller design is optimized for high static pressure, overcoming the resistance of densely packed components. Its structural rigidity is reinforced by UL94V-0 plastic housing, providing a robust platform for high-velocity airflow. The integrated 4-wire interface facilitates precise speed modulation and real-time system monitoring, making it an essential component for advanced electronic cooling.

Model Number: FFB0412SHN-AZ2N

Brand: Delta Electronics

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.60A

Power: 7.2W

Rated Speed: 13000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 24.01 CFM (0.680 m³/min)

Max. Static Pressure: 27.29 mmH₂O (1.074 inH₂O)

Dimensions: 40x40x28mm

Weight: 50g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 54.5 dB(A)

Speed Control: PWM Control

Output Signal: Tachometer / Frequency Generator

Termination: 4-Lead Wires

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Insulation Class: Class A

The Delta FFB0412SHN-AZ2N is specifically designed for high-performance computing environments where compact dimensions and high static pressure are required. This FFB0412SHN-AZ2N is frequently deployed in 1U server racks, network switches, and telecommunications equipment to prevent thermal throttling. Additionally, the FFB0412SHN-AZ2N serves as a reliable cooling solution for industrial power supplies and medical diagnostic machinery requiring consistent airflow in restricted internal volumes.

Supplemental Images

