

FFB0412SHN-7CA Delta 12VDC 40x40x28mm Server Axial Fan Datasheet



Brand: Delta

SKU: [950386065334](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

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Product Description

The Delta FFB0412SHN-7CA is a high-static pressure DC axial fan designed for mission-critical thermal management in dense electronic enclosures. Engineered with a robust thermoplastic PBT frame and impeller rated to UL94V-0 standards, this unit utilizes a precision dual ball bearing system to ensure longevity and stability under high rotational speeds. The aerodynamic blade geometry is optimized to minimize thermal impedance while delivering concentrated airflow, making it an ideal solution for overcoming high system resistance in compact server environments and industrial machinery.

Model Number: FFB0412SHN-7CA

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.60 A

Input Power: 7.20 W

Rated Speed: 13000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 24.0 CFM (40.77 m³/h / 0.68 m³/min)

Max. Static Pressure: 27.4 mmH₂O (268.7 Pa / 1.08 inH₂O)

Dimensions: 40 x 40 x 28 mm

Noise Level: 54.5 dB-A

Frame Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 2-Wire Leads

Operating Temperature: -10°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Net Weight: 33 g

Designed for high-performance cooling applications, the FFB0412SHN-7CA is frequently deployed in 1U server racks, telecommunications equipment, and industrial automation systems where space is limited but heat dissipation requirements are extreme. The high static pressure capabilities of the FFB0412SHN-7CA allow it to effectively push air through dense heatsinks and restricted chassis, ensuring optimal operating temperatures for sensitive components like CPUs, power supplies, and RAID controllers.

Supplemental Images

