FFB0412VHN-F00 Delta 12VDC 40x40x28mm Tachometer Axial Fan Datasheet

Brand: Delta

SKU: 901229253377

Category: Axial & Centrifugal Fans

Price: **$17.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ffb0412vhn-f00-delta-12vdc-40x40x28mm-tachometer-axial-fan

Product Description

The Delta FFB0412VHN-F00 is a specialized DC Brushless Axial Fan engineered for high-density electronic environments requiring superior static pressure and volumetric airflow. Built upon a robust dual ball bearing architecture, this component ensures exceptional rotational stability and structural rigidity, significantly lowering thermal impedance in compact enclosures. The aerodynamic impeller design is optimized to maintain high efficiency while minimizing acoustic resonance, ensuring reliable operation under continuous thermal loads. Featuring a specialized tachometer output for real-time speed monitoring, this unit is constructed to meet rigorous industrial standards for longevity and performance consistency.

Model Number: FFB0412VHN-F00
Brand: Delta Electronics
Product Type: DC Brushless Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.24 A
Input Power: 2.88 W
Rated Speed: 9500 RPM
Max. Air Flow: 15.79 CFM (26.84 m^3/h / 0.44 m^3/min)
Max. Static Pressure: 14.6 mmH2O (143.2 Pa / 0.574 inH_2O)

Bearing Type: Dual Ball Bearing
Noise Level: 41.9 dB-A
Dimensions: 40x40x28 mm
Weight: 35.0 g
Termination: 3-Wire (Red +, Black -, Blue Tachometer)
Output Signal: Frequency Generator (Tachometer -F00)
Frame Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Life Expectancy: 70,000 Hours (40°C)
Safety Protection: Polarity Protection, Locked Rotor Protection

This high-performance cooling solution is specifically designed for integration into 1U rackmount servers, compact telecommunications switching gear, and precision medical instrumentation. The FFB0412VHN-F00 excels in applications where restricted airflow paths require high static pressure to overcome system resistance, such as in networked storage appliances and industrial power supplies. By incorporating the FFB0412VHN-F00, engineers can ensure critical thermal regulation within CNC control modules and other space-constrained electronic assemblies.

Supplemental Images