FFB0412SN-00CK3 Delta 12VDC 1.50A 40x28mm PWM Axial Fan Datasheet

Brand: Delta

SKU: 1005301592579

Category: Axial & Centrifugal Fans

Price: **$13.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ffb0412sn-00ck3-delta-12vdc-1-50a-40x28mm-pwm-axial-fan

Product Description

The Delta FFB0412SN-00CK3 is a high-performance DC Axial Fan engineered for mission-critical cooling applications requiring extreme static pressure. Utilizing a brushless DC motor and a sophisticated dual ball bearing architecture, this unit minimizes thermal impedance in high-density enclosures. Its structural rigidity is enhanced by glass-fiber reinforced plastic housing, ensuring stability at high rotational velocities. The integrated PWM control allows for precise thermal management, optimizing the aerodynamic design for maximum efficiency in restricted airflow environments.

Model Number: FFB0412SN-00CK3
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.2 VDC
Rated Current: 1.50A
Power: 18.0W
Rated Speed: 13000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 24.01 CFM (0.680 m^3/min)
Max. Static Pressure: 27.31 mmH_2O (267.8 Pa / 1.075 inH_2O)

Dimensions: 40x40x28mm
Weight: 52g
Life Expectancy: 70000 hours @ 40°C
Noise Level: 54.5 dB-A
Speed Control: PWM Control, Tachometer Output
Housing Material: Plastic (UL 94V-0)
Blade Material: Plastic (UL 94V-0)
Termination: 4-Lead Wires
Operating Temperature: -10°C to +60°C
Storage Temperature: -40°C to +75°C
Protection Features: Locked Rotor Protection, Reverse Polarity Protection
Insulation Class: Class A
Certifications: UL, CSA, VDE, CE

The FFB0412SN-00CK3 is specifically designed for high-density server environments and telecommunications equipment where space is limited but heat dissipation requirements are extreme. In network switches and compact workstations, the FFB0412SN-00CK3 provides the necessary static pressure to overcome internal resistance. Its robust design also makes it suitable for industrial power supplies and medical diagnostic imaging systems that demand consistent cooling performance.