PFB0412GN-EJD4 Delta 12VDC 5.00A 40x40x28mm Axial Fan Datasheet

Brand: Delta

SKU: 918142165249

Category: Axial & Centrifugal Fans

Price: **$21.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/pfb0412gn-ejd4-delta-12vdc-5-00a-40x40x28mm-axial-fan

Product Description

Delta PFB0412GN-EJD4 is a 12VDC 40x40x28mm Axial Fan optimized for extreme thermal density in confined enclosures. This high-amperage unit utilizes a brushless DC motor with dual ball bearing architecture to ensure structural rigidity under high rotational stress. The aerodynamic design focuses on overcoming extreme system impedance, delivering a massive 5.00A current draw to achieve industry-leading static pressure. Operating at approximately 25,000 RPM, it minimizes thermal impedance in mission-critical hardware. This 4-wire PWM-controlled fan provides precise thermal management for high-performance computing environments.

Model Number: PFB0412GN-EJD4
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.2 VDC
Rated Current: 5.00A
Power: 60.0W
Rated Speed: 25000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 45.22 CFM (1.28 m^3/min)
Max. Static Pressure: 125.4 mmH_2O (1230 Pa / 4.94 inH_2O)

Dimensions: 40x40x28mm
Weight: 65g
Life Expectancy: 70,000 Hours at 40C
Speed Control: PWM Control, Tachometer Output
Termination: 4-Lead Wires
Housing Material: Plastic (UL 94V-0)
Blade Material: Plastic (UL 94V-0)
Operating Temperature: -10 to +60 C
Protection: Locked Rotor Protection, Reverse Polarity Protection

PFB0412GN-EJD4 Applications
1. 1U/2U Server Chassis: Overcoming high system impedance in densely packed blade servers where airflow resistance is extreme.
2. Cryptocurrency Mining Rigs: Providing high-velocity cooling for ASIC chips requiring rapid heat dissipation to prevent thermal throttling.
3. High-Performance Networking Switches: Ensuring continuous operation of core routers by maintaining low thermal impedance across high-speed backplanes.

Supplemental Images