TFA0412CN-CN Delta 12VDC 40x40x28mm 4-Wire Axial Fan Datasheet

Brand: Delta

SKU: 995171629240

Category: Axial & Centrifugal Fans

Price: **$13.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/tfa0412cn-cn-delta-12vdc-40x40x28mm-4-wire-axial-fan

Product Description

The Delta TFA0412CN-CN is a high-performance DC axial fan engineered for mission-critical thermal management in high-density electronic environments. Utilizing advanced DC motor technology and a robust dual ball bearing architecture, this unit ensures exceptional longevity and structural rigidity under continuous operation. The aerodynamic impeller design is optimized to deliver substantial static pressure, effectively overcoming high thermal impedance in restricted enclosures. Its precise balancing and durable construction make it an ideal solution for maintaining optimal operating temperatures in demanding industrial and server-grade applications.

Model Number: TFA0412CN-CN
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.2 VDC
Rated Current: 0.81 A
Power Input: 9.72 W
Rated Speed: 18500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 26.5 CFM (45.0 m^3/h / 0.75 m^3/min)
Max. Static Pressure: 59.7 mmH_2O (585 Pa / 2.35 inH_2O)

Dimensions: 40 x 40 x 28 mm
Weight: 48 g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: PWM (Pulse Width Modulation)
Signal Output: 4-Wire (Tachometer/FG)
Noise Level: 58.5 dB-A
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Termination: 4-Wire Leads
Protection: Locked Rotor Protection, Polarity Protection

Designed for high-static pressure requirements, the TFA0412CN-CN is predominantly utilized in 1U server racks and compact telecommunications equipment where airflow must penetrate dense component layouts. The TFA0412CN-CN excels in cooling high-performance CPUs and power supply units within industrial automation systems, ensuring reliability in network switches and storage arrays. Its compact form factor allows for seamless integration into precision medical devices and CNC control modules requiring aggressive heat dissipation.

Supplemental Images