

FFC0612DE-6U82 Delta 12VDC 60x60x38mm PWM Axial Fan Datasheet



Brand: Delta

SKU: [1012132010464](#)

Category: Axial & Centrifugal Fans

Price: **\$6.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ffc0612de-6u82-delta-12vdc-60x60x38mm-pwm-axial-fan>

Product Description

The Delta FFC0612DE-6U82 is a high-performance DC Axial Fan engineered for mission-critical thermal management applications requiring exceptional static pressure and airflow density. Utilizing advanced DC brushless motor technology and a robust dual ball bearing architecture, this unit ensures long-term operational stability and reduced thermal impedance under continuous load. The 60mm frame houses an aerodynamically optimized impeller designed to maximize air throughput while maintaining structural rigidity at high rotational speeds. With a power rating of 14.4W, the FFC0612DE-6U82 delivers aggressive cooling performance, making it an ideal solution for overcoming high system resistance in dense electronic enclosures.

Model Number: FFC0612DE-6U82

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 1.20 A

Power Input: 14.40 W

Rated Speed: 12000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 67.45 CFM (114.6 m³/h / 1.91 m³/min)

Max. Static Pressure: 1.48 inH₂O (37.6 mmH₂O / 368 Pa)

Dimensions: 60 x 60 x 38 mm

Weight: 105 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 61.5 dB-A

Speed Control: PWM Control / Tachometer Sensor

Wire Configuration: 4-Wire (Red +, Black -, Blue PWM, Yellow Tach)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP20

Safety Certifications: UL, cUL, TUV, CE

The FFC0612DE-6U82 is specifically designed for integration into high-density server racks, telecommunications equipment, and industrial automation systems where space is constrained but cooling demands are extreme. Its high static pressure capabilities allow the FFC0612DE-6U82 to effectively force air through restrictive heatsinks and tightly packed component arrays, ensuring optimal thermal regulation in 1U and 2U chassis environments.

Supplemental Images

