

AFC0812DD-AAP Delta 12VDC 80x80x20mm PWM Axial Fan Datasheet



Brand: Delta

SKU: [988142437486](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/afc0812dd-aap-delta-12vdc-80x80x20mm-pwm-axial-fan>

Product Description

The Delta AFC0812DD-AAP is a precision-engineered Axial Fan designed for critical thermal management in high-density industrial environments. Utilizing advanced DC motor technology coupled with a robust Dual Ball Bearing architecture, this unit ensures minimized friction and extended operational lifespan under continuous load. The aerodynamic impeller geometry is optimized to deliver high static pressure while maintaining structural rigidity, effectively reducing thermal impedance in compact enclosures. Its 4-wire PWM configuration allows for dynamic speed modulation, balancing cooling efficiency with acoustic performance, making it an ideal solution for systems requiring rigorous airflow stability.

Model Number: AFC0812DD-AAP

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.75 A

Input Power: 9.00 W

Rated Speed: 5000 RPM

Bearing Type: Dual Ball Bearing

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

Max. Static Pressure: 10.2 mmH₂O (100.0 Pa / 0.40 inH₂O)

Dimensions: 80 x 80 x 20 mm

Weight: 88 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Termination: 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

Ingress Protection: IP40

Safety Certifications: UL, cUL, TUV, CE

This high-performance cooling solution is specifically engineered for demanding applications such as rack-mounted servers, telecommunications base stations, and precision CNC machinery. The AFC0812DD-AAP excels in environments requiring consistent airflow to dissipate heat from sensitive electronic components. By integrating the AFC0812DD-AAP into compact chassis designs, engineers can ensure reliable thermal regulation and prevent system throttling in mission-critical hardware.

Supplemental Images

