QFR0812SH-AA39 Delta 12VDC 80x80x25mm PWM Axial Fan Datasheet

Brand: Delta

SKU: 990037478524

Category: Axial & Centrifugal Fans

Price: **$20.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/qfr0812sh-aa39-delta-12vdc-80x80x25mm-pwm-axial-fan

Product Description

The Delta QFR0812SH-AA39 is a high-efficiency DC Axial Fan designed for critical thermal management applications requiring substantial airflow and reliability. Engineered with a robust dual ball bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous loads. The aerodynamic impeller design optimizes airflow dynamics to reduce thermal impedance within high-density enclosures, while the structural rigidity of the frame mitigates vibration-induced noise. Featuring a 4-wire interface, it supports precise speed modulation via PWM, allowing for adaptive cooling strategies in complex industrial systems.

Model Number: QFR0812SH-AA39
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.50 A
Power: 6.00 W
Rated Speed: 4300 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 56.4 CFM (95.8 m^3/h / 1.60 m^3/min)
Max. Static Pressure: 8.24 mmH_2O (80.8 Pa / 0.32 inH_2O)

Dimensions: 80x80x25mm
Noise Level: 43.0 dBA
Termination: 4-Wire (PWM/Tachometer)
Frame Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Ingress Protection: IP20 (Standard)
Operating Temperature: -10°C to +70°C
Life Expectancy: 70,000 Hours @ 40°C
Weight: 110 g
Direction of Rotation: Counter-clockwise facing rotor
Certifications: UL, cUL, TUV, CE

Ideally suited for demanding industrial environments, the QFR0812SH-AA39 provides reliable thermal dissipation for server racks, telecommunications equipment, and precision medical devices. Its high static pressure capabilities make the QFR0812SH-AA39 particularly effective in restrictive enclosures such as CNC control panels, power supply units, and networked storage arrays where maintaining optimal component temperatures is critical for system stability and performance.

Supplemental Images