

FFB0812SH-DU31 Delta 12VDC 80x80x25mm Alarm Axial Fan Datasheet



Brand: Delta

SKU: [684455900601](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/ffb0812sh-du31-delta-12vdc-80x80x25mm-alarm-axial-fan>

Product Description

The Delta FFB0812SH-DU31 is a precision-engineered DC Axial Fan designed for critical thermal management applications requiring high static pressure and volumetric airflow. Utilizing advanced dual ball bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load. The aerodynamic impeller geometry optimizes air intake efficiency while reducing turbulence-induced noise, maintaining a favorable acoustic profile relative to its performance class. Constructed with high-grade thermoplastic housing, the FFB0812SH-DU31 offers superior structural rigidity and resistance to environmental stress, effectively lowering thermal impedance in dense electronic enclosures.

Model Number: FFB0812SH-DU31

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.60 A

Power: 7.20 W

Rated Speed: 4500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 67.02 CFM (113.9 m³/h / 1.89 m³/min)

Max. Static Pressure: 9.95 mmH₂O (97.5 Pa / 0.39 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 115 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 48.6 dBA

Output Signal: Alarm (Locked Rotor Sensor)

Wire Configuration: 3-Wire (Red +, Black -, Blue Alarm)

Housing Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP55 (Standard Industrial)

Safety Protection: Electronic Locked Rotor Protection, Polarity Protection

This high-performance cooling solution is engineered for deployment in demanding industrial and computing environments, including server rack enclosures, telecommunications cabinets, and precision power supply units. The FFB0812SH-DU31 excels in systems with high component density where overcoming system impedance is critical for maintaining optimal operating temperatures. Additionally, the FFB0812SH-DU31 is frequently utilized in automated manufacturing equipment and network storage devices, ensuring reliable heat dissipation for mission-critical hardware.

Supplemental Images

