FFB0812VH-101 Delta 12VDC 80x80x25mm Cooling Axial Fan Datasheet

Brand: Delta

SKU: 877866797603

Category: Axial & Centrifugal Fans

Price: **$19.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ffb0812vh-101-delta-12vdc-80x80x25mm-cooling-axial-fan

Product Description

The Delta FFB0812VH-101 is a precision-engineered DC Axial Fan designed for demanding thermal management applications. Utilizing advanced brushless DC motor technology and a robust Dual Ball Bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous loads. The aerodynamic impeller design optimizes P-Q characteristics, delivering superior airflow while maintaining structural rigidity against backpressure. Engineered with high-grade UL94V-0 thermoplastic components, the fan offers exceptional thermal impedance management and vibration stability, making it an ideal solution for systems requiring reliable forced convection cooling.

Model Number: FFB0812VH-101
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.2 VDC
Rated Current: 0.42 A
Power: 5.04 W
Rated Speed: 3700 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 47.22 CFM (80.2 m^3/h / 1.33 m^3/min)

Max. Static Pressure: 6.78 mmH_2O (66.5 Pa / 0.267 inH_2O)
Dimensions: 80 x 80 x 25.4 mm
Weight: 115 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 43.5 dB-A
Housing Material: Plastic (UL 94V-0)
Impeller Material: Plastic (UL 94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Termination: Lead Wires (UL 1007 AWG #24)
Ingress Protection: Optional IP55 available on request
Safety Protection: Locked Rotor Protection, Polarity Protection
Certifications: UL, cUL, TUV, VDE, CE

This high-efficiency cooling solution is specifically calibrated for integration into industrial automation enclosures, server rack chassis, and telecommunications power supplies where consistent thermal regulation is critical. The FFB0812VH-101 excels in environments requiring sustained airflow to dissipate heat from sensitive electronic components, such as variable frequency drives and medical instrumentation. By maintaining optimal operating temperatures, the FFB0812VH-101 ensures system stability and prevents thermal throttling in high-density computing and network infrastructure.

Supplemental Images