BFB0512VHD-DLF Delta 12VDC 50x50x20mm 4-Wire Blower Fan Datasheet

Brand: Delta

SKU: 986695971702

Category: Axial & Centrifugal Fans

Price: **$19.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/bfb0512vhd-dlf-delta-12vdc-50x50x20mm-4-wire-blower-fan

Product Description

The Delta BFB0512VHD-DLF is a precision-engineered DC Centrifugal Blower designed for applications requiring concentrated airflow and high static pressure. Utilizing advanced DC brushless motor technology and a durable bearing architecture, this unit optimizes thermal impedance within compact enclosures. The aerodynamic volute design enhances air compression efficiency while maintaining structural rigidity under high-velocity operation. Featuring a 4-wire configuration, it supports precise speed modulation, making it ideal for dynamic thermal load management in sensitive electronics.

Model Number: BFB0512VHD-DLF
Brand: Delta Electronics
Product Type: DC Centrifugal Blower
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.28A
Power Consumption: 3.36W
Rated Speed: 5500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 5.65 CFM (9.6 m^3/h / 0.16 m^3/min)
Max. Static Pressure: 18.5 mmH_2O (181.4 Pa / 0.73 inH_2O)

Dimensions: 50x50x20mm
Weight: 35g
Life Expectancy: 50,000 Hours at 40°C
Termination: 4-Wire (Lead Wires)
Speed Control: PWM / Tachometer Output
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
Noise Level: 42.0 dBA
Insulation Resistance: >10M Ohm at 500VDC
Dielectric Strength: 500VAC for 1 Minute
Safety Certifications: UL, cUL, TUV, CE

The BFB0512VHD-DLF is specifically engineered for high-density electronics requiring directed cooling, such as commercial projectors and compact server modules. Its high static pressure capability allows the BFB0512VHD-DLF to overcome resistance in restricted airflow paths found in optical engines and telecommunications equipment. Additionally, this blower is suitable for small form factor industrial automation devices where reliable thermal dissipation is critical for component longevity.

Supplemental Images


2X20F
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DC BRUSHLESS
MODEL BFB0512VHD
DC12V 0.28A DLF
ZP
ZL
VDE
DELTA ELECTRONICS, INC.
MADE IN CHINA