BFB0512MA-C Delta 12VDC 51x51x15mm Blower Fan Datasheet

Brand: Delta

SKU: 942542660704

Category: Axial & Centrifugal Fans

Price: **$14.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page: https://www.equipspares.com/product/bfb0512ma-c-delta-12vdc-51x51x15mm-blower-fan

Product Description

The Delta BFB0512MA-C is a DC Centrifugal Fan engineered for precision thermal management in compact industrial environments. Utilizing advanced DC brushless motor technology and a robust dual ball bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes static pressure generation, overcoming high thermal impedance in restricted enclosures. Constructed with high-grade thermoplastic, the frame offers superior structural rigidity and vibration dampening, making it an ideal solution for critical cooling applications requiring consistent airflow performance.

Model Number: BFB0512MA-C
Brand: Delta Electronics
Product Type: DC Centrifugal Blower
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.2 VDC
Rated Current: 0.11 A
Power: 1.32 W
Rated Speed: 4500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 3.53 CFM (6.0 m^3/h / 0.10 m^3/min)
Max. Static Pressure: 11.0 mmH_2O (107.9 Pa / 0.43 inH_2O)
Dimensions: 51 x 51 x 15 mm

Weight: 28.0 g
Life Expectancy: 70,000 Hours @ 40°C
Noise Level: 32.5 dB-A
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Termination: 2-Wire (Red/Black)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Insulation Class: Class A
Ingress Protection: IP5X (Dust Protected)
Safety Certifications: UL, cUL, TUV, CE

The BFB0512MA-C is specifically designed for integration into high-density electronic assemblies such as rack-mount servers, network switches, and compact projectors where directed airflow is essential. Its compact profile allows the BFB0512MA-C to fit seamlessly into limited-space chassis, providing concentrated cooling to hotspots on PCBs and heatsinks. Additionally, this model is frequently utilized in medical instrumentation and industrial automation equipment, ensuring reliable thermal regulation for sensitive components.

Supplemental Images