

# BFB0505LA-C Delta 5VDC 50x50x10mm Centrifugal Blower Fan Datasheet



**Brand:** Delta

**SKU:** [858474230849](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$12.99**

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Product Page:

<https://www.equipspares.com/product/bfb0505la-c-delta-5vdc-50x50x10mm-centrifugal-blower-fan>

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## Product Description

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The Delta BFB0505LA-C is a precision-engineered DC centrifugal blower designed for compact thermal management applications requiring directed airflow. Utilizing advanced DC motor technology and a robust double ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes static pressure generation while maintaining a low acoustic profile, characterized by a noise level of just 22.5 dBA. Its structural rigidity is enhanced by a specialized housing, often accompanied by a silicone shock-absorbing sleeve to mitigate vibration transfer, thereby reducing thermal impedance in sensitive electronic assemblies. The BFB0505LA-C delivers reliable cooling performance with a rated speed of 3500 RPM.

Model Number: BFB0505LA-C

Brand: Delta Electronics

Product Type: DC Centrifugal Blower

Rated Voltage: 5 VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.09 A

Power Consumption: 0.45 W

Rated Speed: 3500 RPM  $\pm$ 10%

Bearing Type: Double Ball Bearing

Max. Air Flow: 2.12 CFM (3.6 m<sup>3</sup>/h / 0.06 m<sup>3</sup>/min)

Max. Static Pressure: 4.50 mmH<sub>2</sub>O (44.1 Pa / 0.18 inH<sub>2</sub>O)

Dimensions: 50 x 50 x 10 mm

Weight: 18 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 22.5 dBA

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: Lead Wires

Features: Silicone Shock-Absorbing Sleeve

The BFB0505LA-C is engineered for compact electronic devices requiring focused cooling in restricted spaces. Common implementations include cooling chipsets in small form-factor PCs, ventilating 3D printer hotends, and thermal regulation in portable medical instrumentation. The BFB0505LA-C is also frequently utilized in optical projectors and handheld sensing equipment where low noise and reliability are critical. Its centrifugal design allows the BFB0505LA-C to deliver air at a 90-degree angle, making it ideal for server rack spot cooling and embedded telecommunications modules.

## Supplemental Images

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