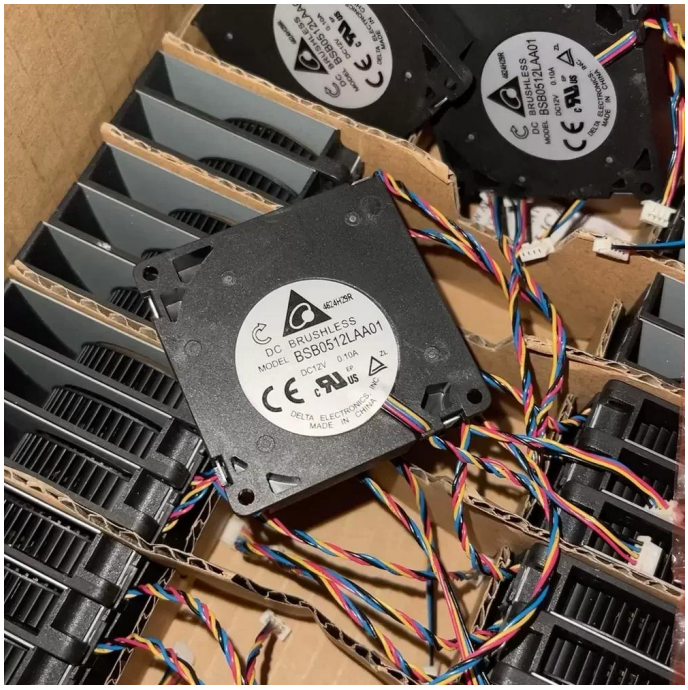
BSB0512LAA01 Delta 12VDC 50x50x10mm Dual Ball Blower Datasheet



Brand: Delta

SKU: 949787260481

Category: Axial & Centrifugal Fans

Price: **$12.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/bsb0512laa01-delta-12vdc-50x50x10mm-dual-ball-blower

Product Description

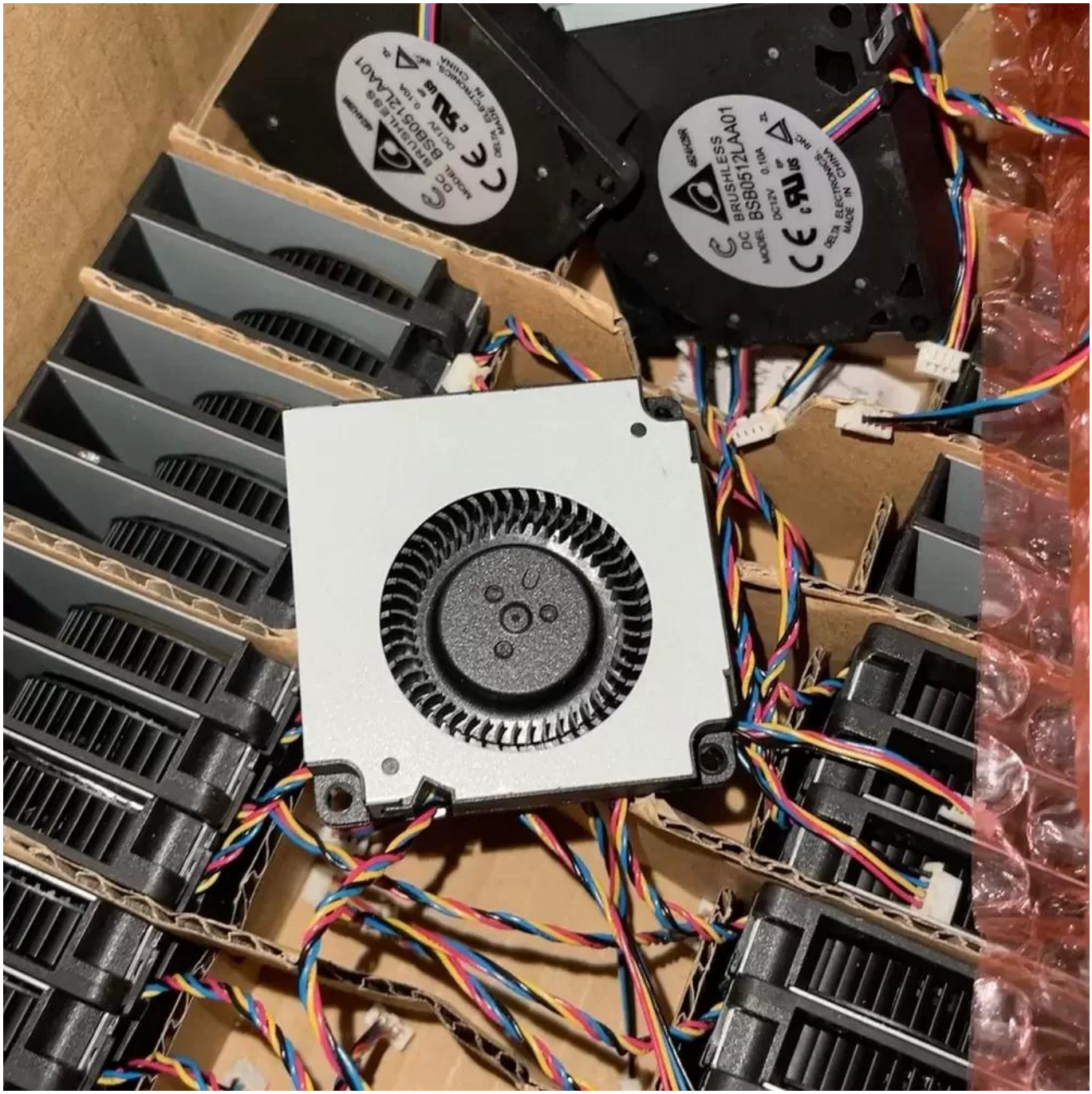
The Delta BSB0512LAA01 is a precision-engineered DC Centrifugal Blower designed for compact thermal management solutions requiring high static pressure in restricted spaces. Utilizing advanced DC brushless motor technology and a robust dual ball bearing architecture, this unit ensures minimized friction and extended operational lifespan under continuous load. The aerodynamic impeller design optimizes airflow trajectory to reduce thermal impedance, while the structural rigidity of the housing mitigates vibrational resonance, making it ideal for sensitive electronic environments.

Model Number: BSB0512LAA01
Brand: Delta Electronics
Product Type: DC Centrifugal Blower
Rated Voltage: 12VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.10 A
Input Power: 1.20 W
Rated Speed: 5500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 2.8 CFM (4.76 m^3/h)
Max. Static Pressure: 0.35 inH_2O (87 Pa)

Dimensions: 50 x 50 x 10 mm
Weight: 15 g
Life Expectancy: 50,000 Hours @ 40°C
Noise Level: 28.0 dB-A
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Termination: Lead Wires
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C

The BSB0512LAA01 is specifically engineered for high-density electronic assemblies where vertical clearance is limited but directed airflow is critical. Common deployment scenarios include cooling for notebook CPUs, compact projectors, and embedded industrial controllers where the BSB0512LAA01 efficiently channels air through fin stacks to dissipate heat. Its reliable performance also makes it suitable for small form-factor telecommunications equipment and portable medical devices requiring consistent thermal regulation.

Supplemental Images


BRUSHLESS
DC
MODEL BSB0512LAA01
DC12V 0.10A
DELTA ELECTRONICS INC.
MADE IN CHINA