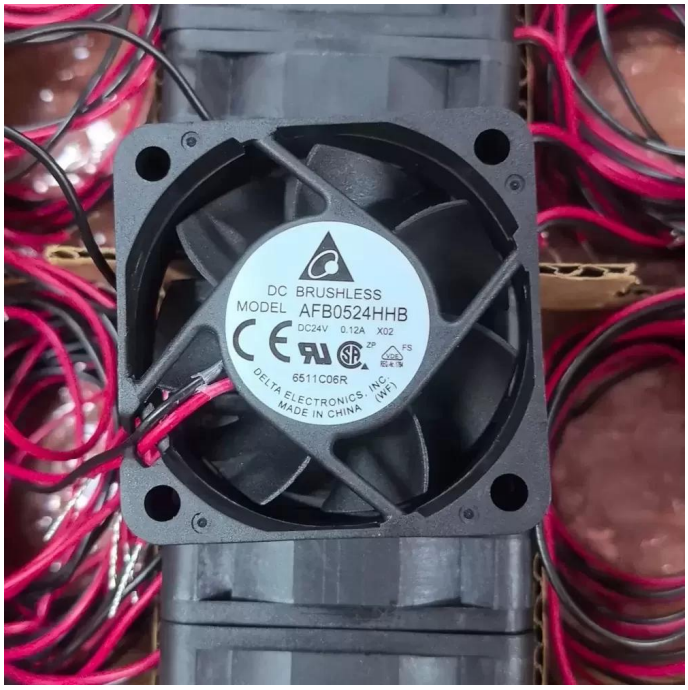
AFB0524HHB-X02 Delta 24VDC 50x50x15mm DC Axial Fan Datasheet



Brand: Delta

SKU: 899935139468

Category: Axial & Centrifugal Fans

Price: **$10.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/afb0524hhb-x02-delta-24vdc-50x50x15mm-dc-axial-fan

Product Description

The Delta AFB0524HHB-X02 is a precision-engineered DC Axial Fan designed for high-reliability thermal management in industrial electronics. Utilizing advanced aerodynamic blade geometry and a robust 2 Ball Bearing system, this unit ensures minimal friction and extended operational longevity under continuous load. The motor assembly features high-efficiency DC brushless technology, optimizing torque delivery while maintaining low thermal impedance. Constructed with UL94V-0 rated thermoplastic, the housing provides structural rigidity and vibration damping, making it suitable for demanding environments requiring consistent airflow and static pressure performance.

Model Number: AFB0524HHB-X02
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.12 A
Input Power: 2.88 W
Rated Speed: 6400 RPM
Bearing Type: 2 Ball Bearings
Max. Air Flow: 16.24 CFM (27.59 m^3/h / 0.46 m^3/min)
Max. Static Pressure: 7.67 mmH_2O (75.21 Pa / 0.30 inH_2O)

Dimensions: 50 x 50 x 15 mm
Weight: 38 g
Noise Level: 36.0 dB-A
Life Expectancy: 70,000 Hours at 40°C
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
Ingress Protection: IP20
Termination: Lead Wires
Safety Protection: Impedance Protected, Reverse Polarity

The AFB0524HHB-X02 is engineered for critical cooling applications within compact industrial enclosures, specifically serving as an OEM replacement for variable frequency drive (VFD) inverters and servo drive systems. Its high static pressure capabilities make the AFB0524HHB-X02 ideal for forcing air through dense heatsinks found in power supplies, telecommunication switching gear, and precision medical instrumentation, ensuring thermal stability during continuous operation.

Supplemental Images