

ASB02512HA-A7CF Delta 12VDC 25x25x10mm 2-Wire Axial Fan Datasheet



Brand: Delta

SKU: [784353269244](#)

Category: Axial & Centrifugal Fans

Price: **\$13.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/asb02512ha-a7cf-delta-12vdc-25x25x10mm-2-wire-axial-fan>

Product Description

The Delta ASB02512HA-A7CF is a precision-engineered Axial Fan designed to deliver optimal cooling performance in space-constrained electronic environments. Utilizing advanced DC motor technology and a durable Sleeve Bearing architecture, this unit ensures consistent airflow while maintaining low mechanical noise and vibration levels. The impeller geometry is optimized to minimize turbulence, thereby reducing thermal impedance within the target enclosure. Constructed with high-quality thermoplastic materials, the frame offers excellent structural rigidity and resistance to environmental stress. This 25mm form factor solution is specifically calibrated for applications requiring a balance between static pressure and volumetric airflow, ensuring reliable operation and extended service life in demanding thermal loops.

Model Number: ASB02512HA-A7CF

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.09 A

Power Input: 1.08 W

Rated Speed: 10000 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 2.40 CFM (4.08 m³/h / 0.068 m³/min)

Max. Static Pressure: 4.57 mmH₂O (44.8 Pa / 0.18 inH₂O)

Dimensions: 25x25x10mm

Weight: 7.5 g

Life Expectancy: 30,000 Hours at 40°C

Noise Level: 28.0 dB-A

Termination: 2-Wire Lead

Wire Length: 21.5cm

Frame Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Insulation Class: Class A

Mounting Orientation: Any

The ASB02512HA-A7CF is engineered for integration into compact electronic assemblies where space is at a premium but thermal dissipation cannot be compromised. Frequently utilized in portable projectors, small-form-factor power supplies, and chipset cooling solutions, this model ensures critical components remain within safe operating temperature ranges. The ASB02512HA-A7CF is also suitable for handheld instrumentation and miniature optical devices, providing reliable air exchange to prevent thermal throttling in densely packed hardware configurations.

Supplemental Images

