

ASB0312HA-D Delta 12VDC 30x30x10mm Axial Fan Datasheet



Brand: Delta

SKU: [672798861748](#)

Category: Axial & Centrifugal Fans

Price: **\$13.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page: <https://www.equipspares.com/product/asb0312ha-d-delta-12vdc-30x30x10mm-axial-fan>

Product Description

The Delta ASB0312HA-D is a precision-engineered axial fan designed for compact thermal management applications requiring high-density airflow in restricted spaces. Utilizing advanced DC brushless motor technology and a durable sleeve bearing architecture, this unit optimizes aerodynamic efficiency while maintaining a low noise profile relative to its rotational speed. The 30mm frame is constructed from UL94V-0 rated thermoplastic, ensuring structural rigidity and fire resistance. Engineered for reliability, the ASB0312HA-D minimizes thermal impedance in electronic assemblies, making it an ideal solution for spot cooling in dense circuit environments where component longevity is critical.

Model Number: ASB0312HA-D

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.14 A

Input Power: 1.68 W

Rated Speed: 9000 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 4.30 CFM (7.31 m³/h / 0.12 m³/min)

Max. Static Pressure: 3.81 mmH₂O (37.4 Pa / 0.15 inH₂O)

Dimensions: 30x30x10mm

Weight: 8.0 g

Life Expectancy: 30,000 Hours at 40°C

Noise Level: 28.0 dB-A

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 2 Lead Wires (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Safety Certifications: UL, cUL, TUV, CE

The ASB0312HA-D is frequently integrated into compact electronic devices where internal space is at a premium yet thermal dissipation cannot be compromised. Common deployment scenarios include cooling chipsets in networking switches, ventilating small form-factor power supplies, and regulating temperatures in portable medical instrumentation. Additionally, the ASB0312HA-D serves as a critical component in 3D printer hotend assemblies and DVR systems, ensuring stable operation by preventing localized hotspots on sensitive PCBs.

Supplemental Images

