

ASB0312LA-C-7PB Delta 12VDC 30x30x10mm Low Noise Axial Fan Datasheet



Brand: Delta

SKU: [992202121217](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/asb0312la-c-7pb-delta-12vdc-30x30x10mm-low-noise-axial-fan>

Product Description

The Delta ASB0312LA-C-7PB is a precision-engineered micro axial fan designed for compact thermal management in high-density electronic assemblies. Utilizing a DC brushless motor architecture paired with a durable sleeve bearing system, this unit optimizes rotational stability while minimizing acoustic resonance. The 30mm frame is constructed from reinforced thermoplastic, ensuring structural rigidity and resistance to thermal deformation under continuous operation. Its aerodynamic impeller design reduces turbulence, providing efficient airflow delivery with low thermal impedance, making it an ideal solution for sensitive micro-components requiring consistent heat dissipation.

Model Number: ASB0312LA-C-7PB

Brand: Delta Electronics

Product Type: Axial Fan

Rated Voltage: 12VDC

Operating Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.10 A

Input Power: 1.20 W

Rated Speed: 8000 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 3.53 CFM (6.0 m³/h / 0.10 m³/min)

Max. Static Pressure: 2.85 mmH₂O (27.9 Pa / 0.11 inH₂O)

Dimensions: 30x30x10mm

Noise Level: 21.0 dBA

Frame Material: PBT Thermoplastic (UL94V-0)

Blade Material: PBT Thermoplastic (UL94V-0)

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 30,000 Hours (40°C)

Motor Type: DC Brushless

Weight: 8.0 g

Ingress Protection: IP20

Insulation Class: Class A

Mounting Orientation: Any

This compact cooling solution is specifically engineered for space-constrained electronics such as network routers, media players, and micro-computing devices. The ASB0312LA-C-7PB excels in maintaining optimal operating temperatures in set-top boxes and portable hard drive enclosures where internal clearance is minimal. By integrating the ASB0312LA-C-7PB into these systems, engineers ensure reliable thermal performance for critical chipsets without introducing significant acoustic noise, preserving the user experience in home and office environments.

Supplemental Images

