

ASB0312LA-CX9M Delta 12VDC 30x30x10mm Low Noise Axial Fan Datasheet



Brand: Delta

SKU: 739784027367

Category: Axial & Centrifugal Fans

Price: \$13.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/asb0312la-cx9m-delta-12vdc-30x30x10mm-low-noise-axial-fan>

Product Description

The Delta ASB0312LA-CX9M is a precision-engineered micro axial fan designed to address thermal challenges in high-density electronic packaging. Featuring a robust DC motor architecture, this component optimizes aerodynamic efficiency through a specialized impeller design that maximizes airflow while minimizing turbulence-induced noise. The unit is constructed with a durable thermoplastic frame that provides structural rigidity and resistance to thermal deformation. Its sleeve bearing system is calibrated for reliable operation, ensuring consistent rotational stability and reduced friction. This fan is specifically tuned to lower thermal impedance in compact enclosures, making it a critical component for maintaining the reliability and lifespan of sensitive semiconductor devices where space is at a premium.

Model Number: ASB0312LA-CX9M

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.10 A

Input Power: 1.20 W

Rated Speed: 8000 RPM (Estimated)

Bearing Type: Sleeve Bearing

Max. Air Flow: 3.5 CFM (Estimated)

Max. Static Pressure: 0.11 inH₂O (Estimated)

Dimensions: 30 x 30 x 10 mm

Weight: 8.0 g

Noise Level: 21.0 dBA

Termination: 2-Wire Leads

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Operating Temperature: -10 to +70 Degrees Celsius

Storage Temperature: -40 to +70 Degrees Celsius

Ingress Protection: IP40 (Standard)

Insulation Class: Class A

Safety Certifications: UL, cUL, TUV, CE

The ASB0312LA-CX9M is widely utilized in compact industrial and consumer electronics requiring active cooling within tight spatial envelopes. It serves as a primary thermal solution for chipset cooling in embedded systems, DVRs, and set-top boxes where silent operation is paramount. Additionally, the ASB0312LA-CX9M is integrated into handheld instrumentation and portable medical devices, ensuring that internal components remain within safe operating temperature ranges during continuous use.

Supplemental Images

