

ASB0412LC-BV38 Delta 12VDC 40x40x13mm PWM Axial Fan Datasheet



Brand: Delta

SKU: [760979622851](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/asb0412lc-bv38-delta-12vdc-40x40x13mm-pwm-axial-fan>

Product Description

The Delta ASB0412LC-BV38 is a DC Axial Fan engineered for applications requiring minimal acoustic resonance and reliable thermal management within compact enclosures. Utilizing Delta's proprietary Advanced Sleeve Bearing (ASB) technology, this unit offers an optimized balance between cost-efficiency and operational longevity, significantly reducing friction-induced heat compared to standard sleeve designs. The 40mm frame houses a precision-balanced impeller designed to minimize turbulence, thereby lowering the overall noise floor while maintaining adequate airflow for sensitive components. With integrated PWM signal control, the motor speed dynamically adjusts to thermal loads, ensuring optimal energy consumption and structural rigidity under continuous operation.

Model Number: ASB0412LC-BV38

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.06 A

Input Power: 0.72 W

Rated Speed: 3500 RPM

Bearing Type: Advanced Sleeve Bearing

Max. Air Flow: 5.5 CFM (9.34 m³/h / 0.15 m³/min)

Max. Static Pressure: 2.1 mmH₂O (20.6 Pa / 0.08 inH₂O)

Dimensions: 40 x 40 x 13 mm

Weight: 20 g

Noise Level: 19.5 dBA

Life Expectancy: 30,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Safety Certifications: UL, cUL, TUV, CE

The ASB0412LC-BV38 is specifically designed for compact electronic assemblies where space constraints and acoustic limitations are paramount. Common deployment environments include small form-factor network switches, chipset cooling in industrial motherboards, and precision medical instrumentation. The ASB0412LC-BV38 excels in maintaining thermal equilibrium in DVR systems and home media servers, where silent operation is critical for the user experience. Its PWM capability allows for precise integration into automated thermal control loops in telecommunications equipment.

Supplemental Images

