AB5012HX-C03 ADDA 12VDC 50x50x20mm Centrifugal Blower Fan Datasheet

Brand: ADDA

SKU: 742317604979

Category: Axial & Centrifugal Fans

Price: **$10.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ab5012hx-c03-adda-12vdc-50x50x20mm-centrifugal-blower-fan

Product Description

The ADDA AB5012HX-C03 is a high-efficiency DC Blower engineered for precision thermal management in space-constrained environments. Utilizing advanced motor technology and a robust bearing architecture, this unit minimizes thermal impedance while maintaining structural rigidity under continuous operation. Its centrifugal aerodynamic design is optimized for high static pressure, ensuring effective heat dissipation through dense internal components. The housing is constructed from UL94V-0 rated thermoplastic, providing durability and safety. This blower is specifically designed to meet the rigorous cooling demands of industrial-grade electronics and projection systems, offering a reliable solution for critical hardware protection.

Model Number: AB5012HX-C03
Brand: ADDA
Product Type: Blower
Rated Voltage: 12VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.21 A
Power: 2.52 W
Rated Speed: 5000 RPM
Bearing Type: Hypro Bearing
Max. Air Flow: 4.20 CFM (7.14 m^3/h / 0.12 m^3/min)

Max. Static Pressure: 15.20 mmH_2O (149.06 Pa / 0.60 inH_2O)
Dimensions: 50x50x20mm
Weight: 30g
Life Expectancy: 50,000 Hours
Housing Material: UL94V-0 PBT Plastic
Blade Material: UL94V-0 PBT Plastic
Termination: 2-Lead Wires
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Protection Features: Locked Rotor Protection, Reverse Polarity Protection
Certifications: CE, TUV, UL, RoHS

The AB5012HX-C03 is primarily utilized as a specialized cooling component for high-end projection equipment, specifically the Mitsubishi GS-326 and GX328 series. Due to its compact centrifugal design, the AB5012HX-C03 is also ideal for server enclosures, medical diagnostic tools, and telecommunications hardware where directional airflow is required to mitigate localized hotspots. Its ability to generate significant static pressure makes it suitable for dense electronic assemblies and industrial control panels.

Supplemental Images