

AB03505HB10A900 ADDA 5VDC 35x35x10mm Centrifugal Blower Datasheet



Brand: ADDA

SKU: 988985036749

Category: Axial & Centrifugal Fans

Price: \$10.99

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Product Page:

<https://www.equipspares.com/product/ab03505hb10a900-adda-5vdc-35x35x10mm-centrifugal-blower>

Product Description

The ADDA AB03505HB10A900 is a precision-engineered Centrifugal Blower designed for high-density electronic applications requiring focused airflow and efficient heat dissipation. Featuring a robust DC motor architecture and a low-friction Ball Bearing system, this unit delivers exceptional reliability and reduced mechanical noise over extended operational periods. The aerodynamic impeller design optimizes static pressure capabilities, allowing it to effectively overcome significant thermal impedance within compact enclosures. Constructed with structural rigidity in mind, the fan ensures consistent performance under varying thermal loads, making it a superior choice for maintaining system stability and extending component lifespan in critical hardware environments.

Model Number: AB03505HB10A900

Brand: ADDA

Product Type: Centrifugal Blower

Rated Voltage: 5 VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.15 A

Input Power: 0.75 W

Rated Speed: 7500 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 1.8 CFM (3.06 m³/h / 0.05 m³/min)

Max. Static Pressure: 7.5 mmH₂O (73.5 Pa / 0.29 inH₂O)

Dimensions: 35 x 35 x 10 mm

Weight: 11 g

Life Expectancy: 50,000 Hours at 40°C

Noise Level: 32.0 dB(A)

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

Termination: Lead Wires (AWG 28)

Ingress Protection: IP40

Safety Approvals: CE, UL, TUV, CUL

The AB03505HB10A900 is specifically engineered for integration into compact electronic assemblies such as miniature projectors, handheld medical diagnostic devices, and portable computing units. Its high static pressure capability makes it ideal for forcing air through dense heatsinks found in embedded industrial controllers and optical equipment. Furthermore, the AB03505HB10A900 is frequently deployed in VR/AR headsets and smart home automation hubs, where maintaining low acoustic noise while managing thermal output is essential for user comfort and device reliability.

Supplemental Images

