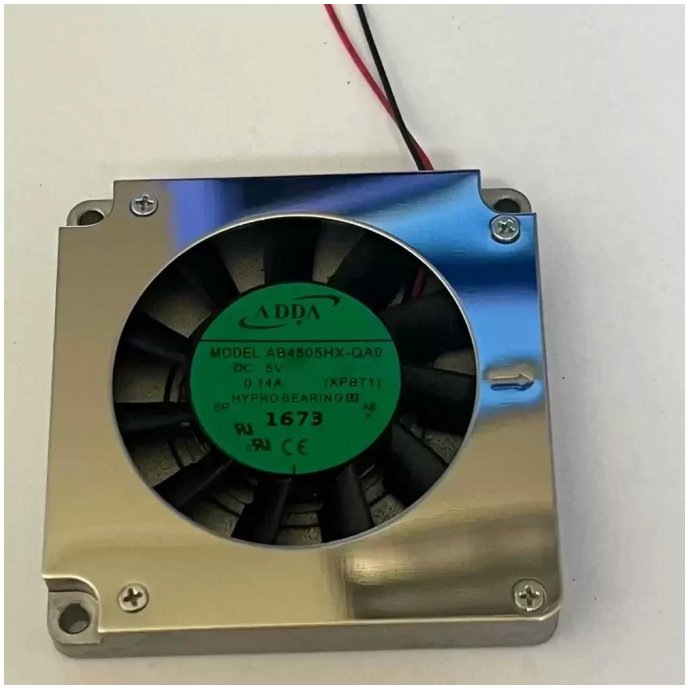
AB4505HX-QA0 ADDA 5VDC 45x45x7mm Hypro Bearing Blower Fan Datasheet



Brand: ADDA

SKU: 960891674118

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ab4505hx-qa0-adda-5vdc-45x45x7mm-hypro-bearing-blower-fan

Product Description

The ADDA AB4505HX-QA0 is a specialized DC Centrifugal Blower engineered for ultra-compact thermal management applications requiring a low-profile footprint. Utilizing ADDA's proprietary Hypro bearing technology, this unit bridges the gap between the cost-effectiveness of sleeve bearings and the longevity of ball bearings, offering reduced friction and enhanced structural rigidity. The aerodynamic impeller design is optimized for high static pressure generation within a confined 7mm thickness, making it ideal for overcoming high thermal impedance in densely packed electronic enclosures. The motor assembly features a high-efficiency brushless DC architecture, ensuring stable operation and consistent airflow delivery under varying load conditions.

Model Number: AB4505HX-QA0
Brand: ADDA
Product Type: DC Centrifugal Blower
Rated Voltage: 5 VDC
Voltage Range: 4.5 - 5.5 VDC
Rated Current: 0.14 A
Power Consumption: 0.70 W
Rated Speed: 5500 RPM (Nominal)
Bearing Type: Hypro Bearing
Max. Air Flow: 2.8 CFM (4.75 m^3/h)

Max. Static Pressure: 7.5 mmH_2O (73.5 Pa)
Dimensions: 45 x 45 x 7 mm
Weight: 12 g
Noise Level: 32 dBA
Termination: 2-Wire Lead
Housing Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Motor Protection: Impedance Protected
Mounting Orientation: Any

The AB4505HX-QA0 is frequently integrated into portable computing devices such as ultrabooks and high-performance laptops where vertical space is strictly limited. Beyond consumer electronics, the AB4505HX-QA0 serves critical roles in micro-projectors, VR headsets, and handheld medical diagnostic equipment requiring active cooling without adding significant bulk. Its precise pressure curve allows it to effectively channel air through copper fin stacks and heat pipes in embedded systems.

Supplemental Images