AB02505HX120100 ADDA 5VDC 25x25x12mm Hypro Bearing Blower Datasheet

Brand: ADDA

SKU: 813906972440

Category: Axial & Centrifugal Fans

Price: **$6.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ab02505hx120100-adda-5vdc-25x25x12mm-hypro-bearing-blower

Product Description

The ADDA AB02505HX120100 is a compact DC Blower engineered for precision thermal management in space-constrained environments. Utilizing ADDA's proprietary Hypro Bearing technology, this unit offers a superior balance between life expectancy and acoustic performance compared to traditional sleeve bearings. The aerodynamic volute design optimizes static pressure delivery, ensuring efficient airflow through high-impedance pathways. Constructed with high-rigidity thermoplastic, the AB02505HX120100 maintains structural integrity under thermal stress, making it an ideal solution for critical industrial and electronic cooling applications requiring reliable DC brushless motor performance.

Model Number: AB02505HX120100
Brand: ADDA
Product Type: DC Blower Fan
Rated Voltage: 5VDC
Voltage Range: 4.5 - 5.5 VDC
Rated Current: 0.20 A
Power: 1.00 W
Bearing Type: Hypro Bearing
Dimensions: 25 x 25 x 12 mm

Frame Material: PBT Thermoplastic UL94V-0
Blade Material: PBT Thermoplastic UL94V-0
Termination: 2-Wire Leads
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +70 °C
Mounting Orientation: Any

The AB02505HX120100 is specifically designed for compact electronic assemblies where directed airflow is essential for component longevity. Common integration points include portable medical devices, miniature projectors, and sensor arrays requiring active cooling without significant spatial footprint. Engineers frequently specify the AB02505HX120100 for chipset cooling in embedded systems and VRM cooling in dense server blades. Its compact 25mm form factor allows for seamless installation in tight enclosures, ensuring that the AB02505HX120100 delivers critical static pressure to heat sinks and thermal interfaces in telecommunications and optical equipment.