

BAPB0504R5HY002 AVC 5VDC 50x50x4mm Centrifugal Blower Datasheet



Brand: AVC

SKU: 788135972070

Category: Axial & Centrifugal Fans

Price: \$25.99

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/bapb0504r5hy002-avc-5vdc-50x50x4mm-centrifugal-blower>

Product Description

AVC BAPB0504R5HY002 is a 5VDC 50x50x4mm Centrifugal Blower optimized for ultra-compact thermal management in premium ultrabooks. Engineered specifically as an OEM replacement fan for the Huawei MateBook X Pro series (MACH-W19, W29, WX9), this unit utilizes a high-efficiency DC motor and advanced micro-bearing architecture to minimize acoustic output while maximizing structural rigidity. The aerodynamic impeller design ensures optimal lateral airflow through high-density heatsink fins, effectively reducing thermal impedance in constrained chassis environments. Operating at a precise 0.50A current draw, it delivers reliable RPM scaling via motherboard control to maintain peak processor performance during intensive computing tasks without thermal throttling.

Model Number: BAPB0504R5HY002

Brand: AVC

Product Type: Centrifugal Blower

Rated Voltage: 5VDC

Rated Current: 0.50A

Power: 2.50W

Dimensions: 50x50x4mm

Compatibility: Huawei MateBook X Pro (MACH-W19, W29, WX9)

Motor Type: DC Brushless

Termination: 4-Wire Micro Connector

Housing Material: High-Density Polymer

Blade Material: Ultra-thin LCP

BAPB0504R5HY002 Applications

1. Premium Ultrabook Thermal Management: Provides exact OEM replacement fan compatibility for Huawei MateBook X Pro (MACH-W19, W29, WX9) to restore factory cooling performance and overcome high system impedance in ultra-thin chassis designs.
2. Micro-Form Factor Electronics: Delivers targeted lateral airflow in severely space-constrained enclosures where a 4mm Z-height is critical for maintaining structural clearance and low-vibration operation.

Supplemental Images

