

BAPD0605R5M AVC 5VDC 0.30A 60x60x5mm Blower Datasheet



Brand: AVC

SKU: 754467805369

Category: Axial & Centrifugal Fans

Price: \$19.99

E-mail: sales@equipspares.com

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

Product Page: <https://www.equipspares.com/product/bapd0605r5m-avc-5vdc-0-30a-60x60x5mm-blower>

Product Description

AVC BAPD0605R5M is a 5VDC 60x60x5mm Blower optimized for extreme Z-height constraints in mobile computing and embedded systems. The hydraulic bearing's sealed lubricant film prevents grease migration under 24/7 thermal stress, ensuring rotational stability despite the ultra-thin 5mm profile. By maintaining a consistent 0.30A current draw, this unit generates sufficient static pressure to overcome the impedance of dense copper heat pipe fins. Integrated 4-wire PWM control allows for precise RPM modulation, which directly mitigates acoustic resonance during variable CPU loads. This 60x60x5mm 5VDC Blower utilizes a high-density impeller to ensure the Ultra-Thin Blower maintains laminar airflow in restricted cavities.

Model Number: BAPD0605R5M

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Product Type: DC Centrifugal Blower

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.30A

Power: 1.5W

Rated Speed: 4500 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 3.85 CFM

Max. Static Pressure: 5.20 mmH2O

Dimensions: 60x60x5mm

Weight: 18g

Life Expectancy: 40,000 Hours at 40C

Speed Control: 4-Wire PWM (Pulse Width Modulation)

Termination: 4-Pin Connector

Material: UL94V-0 PBT Plastic

Protection: Locked Rotor Protection, Reverse Polarity Protection

Operating Temperature: -10C to +70C

Storage Temperature: -40C to +75C

Applications & Industry Use Cases

1. Ultra-thin Laptops: Direct replacement fan for 5mm chassis requiring high-density thermal dissipation.
2. 1U Network Switches: Minimizing resonance in shallow-depth rackmount networking hardware.
3. Industrial Tablets: Preventing heat soak in sealed ruggedized handheld diagnostic tools.
4. Telecom Edge Routing: Compact cooling for high-frequency signal processing in outdoor enclosures.
5. Embedded NUCs: Penetrating airflow for micro-PC builds with restricted internal volumetric space.

Supplemental Images

