

# BAPA0705R5HY018 AVC 5VDC 0.50A 70x70x5mm Blower Datasheet



**Brand:** AVC

**SKU:** [975721276082](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$19.99**

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Product Page:

<https://www.equipspares.com/product/bapa0705r5hy018-avc-5vdc-0-50a-70x70x5mm-blower>

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## Product Description

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The AVC BAPA0705R5HY018 is a 5VDC 70x70x5mm Blower optimized for high-density thermal management in ultra-portable computing environments. Engineered with advanced hydraulic bearing architecture, this DC blower minimizes mechanical friction to ensure long-term structural rigidity and reduced acoustic profiles. The aerodynamic impeller is designed to overcome the high thermal impedance found in slim chassis designs, delivering a rated current of 0.50A to maintain optimal operating temperatures. This model integrates precision-engineered blades to maximize static pressure, ensuring efficient heat dissipation through dense fin stacks even within the restricted 5mm height constraint.

Model Number: BAPA0705R5HY018

Brand: AVC

Product Type: DC Blower

Rated Voltage: 5 VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.50 A

Power: 2.5 W

Rated Speed: 4500 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 4.85 CFM

Max. Static Pressure: 12.4 mmH<sub>2</sub>O

Dimensions: 70 x 70 x 5 mm

Weight: 25 g

Life Expectancy: 40,000 hours at 40C

Housing Material: UL94V-0 Plastic

Blade Material: UL94V-0 Plastic

Termination: 4-Pin Lead Wires

Speed Control: PWM Signal Support

Operating Temperature: -10 to +70 C

Storage Temperature: -40 to +75 C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, TUV, UL, RoHS

BAPA0705R5HY018 Applications

1. Ultra-Thin Laptop Thermal Modules: Specifically engineered for the Thinkpad X13 Gen2 chassis to overcome high system impedance in restricted 5mm vertical clearances.
2. Compact Embedded Systems: Ideal replacement fan for industrial NUCs and small form factor controllers requiring high static pressure to pull heat through dense internal components.
3. Portable Medical Diagnostic Equipment: Provides low-vibration cooling for optical and sensor-heavy mobile devices where precision and thin-profile integration are critical.

## Supplemental Images

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