

BAPA0605R2U-001 AVC 12VDC 60x60x5mm Blower Fan Datasheet



Brand: AVC

SKU: [677847322569](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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

Product Page: <https://www.equipspares.com/product/bapa0605r2u-001-avc-12vdc-60x60x5mm-blower-fan>

Product Description

AVC BAPA0605R2U-001 is a 12VDC 60x60x5mm Blower Fan optimized for ultra-thin thermal management in space-constrained mobile computing environments. Utilizing advanced hydraulic bearing architecture, this DC centrifugal blower minimizes friction and acoustic resonance while maintaining structural rigidity. The aerodynamic impeller design is engineered to reduce thermal impedance in high-density laptop chassis. Operating at 0.30A, it delivers a concentrated 3.90 CFM airflow to dissipate heat from CPU/GPU heat pipes. This unit features a 3-pin termination for tachometer feedback, ensuring precise system monitoring and reliable cooling performance in compact electronic assemblies.

Model Number: BAPA0605R2U-001

Brand: AVC

Product Type: DC Centrifugal Blower Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.30 A

Power: 3.6 W

Rated Speed: 4500 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 3.90 CFM (6.63 m³/h / 0.11 m³/min)

Max. Static Pressure: 5.20 mmH₂O (51.0 Pa / 0.20 inH₂O)

Dimensions: 60 x 60 x 5 mm

Weight: 25 g

Life Expectancy: 40,000 Hours at 40 C

Speed Control: 3-Pin (Tachometer Output)

Ingress Protection: IP51

Insulation Class: Class A

Housing Material: UL94V-0 Plastic

Blade Material: UL94V-0 Plastic

Termination: 3-Wire Lead

Operating Temperature: -10 to +70 C

Storage Temperature: -40 to +75 C

Mounting Orientation: Any

Certifications: CE, TUV, UL

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

BAPA0605R2U-001 Applications

1. Ultra-thin Laptop Cooling: The 5mm profile provides a critical mechanical advantage for replacement fan needs in slim ultrabooks where vertical clearance is minimal.
2. Compact Embedded Systems: Ideal for overcoming high system impedance in 1U or sub-1U enclosures where directional airflow is required to cool localized hotspots.
3. Portable Medical Devices: Low-vibration hydraulic bearing ensures stable operation in handheld diagnostic equipment requiring quiet, reliable thermal regulation.

Supplemental Images

