

BAPA0806R5HY004 AVC 5V 0.50A 80x80x6mm Blower Fan Datasheet



Brand: AVC

SKU: [684791522251](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/bapa0806r5hy004-avc-5v-0-50a-80x80x6mm-blower-fan>

Product Description

AVC BAPA0806R5HY004 is a 5VDC 80x80x6mm Blower Fan optimized for ultra-thin thermal management in high-density mobile computing environments. Engineered with advanced hydraulic bearing architecture, this unit minimizes mechanical friction and thermal impedance, ensuring long-term structural rigidity within constrained chassis. The aerodynamic centrifugal impeller is specifically tuned to overcome the high static pressure found in modern heat pipe arrays. Operating at a rated 0.50A, this DC brushless motor provides precise thermal regulation for ASUS VivoBook series hardware, maintaining optimal junction temperatures during peak processing loads while minimizing acoustic resonance through its balanced blade geometry.

Model Number: BAPA0806R5HY004

Brand: AVC

Product Type: Blower Fan

Rated Voltage: 5 VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.50 A

Power: 2.5 W

Rated Speed: 4200 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 4.85 CFM (8.24 m³/h)

Max. Static Pressure: 12.45 mmH₂O (122.1 Pa)

Dimensions: 80 x 80 x 6 mm

Weight: 28 g

Life Expectancy: 40,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Pin Connector

Housing Material: UL94V-0 Reinforced Plastic

Blade Material: UL94V-0 Reinforced Plastic

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection Features: Locked Rotor Protection, Auto Restart, Reverse Polarity Protection

Certifications: CE, TUV, UL, RoHS

BAPA0806R5HY004 Applications

1. Ultra-Thin Laptop Thermal Modules: Specifically engineered as a replacement fan for ASUS VivoBook 15 X515MA, F515, and V5200E series to restore factory-spec cooling efficiency in 6mm height profiles.
2. High-Impedance Micro-Electronics: Ideal for cooling compact VFD logic boards and embedded systems where the centrifugal design is required to push air through dense fin-stack heat sinks.
3. Portable Medical Diagnostic Equipment: Provides low-vibration, high-static pressure cooling for handheld imaging devices requiring a slim-line form factor and reliable 5VDC operation.

Supplemental Images

