

BAPA0810R2HY001 AVC 12VDC 80x10mm 4-Wire Laptop Blower Datasheet



Brand: AVC

SKU: 977755127540

Category: Axial & Centrifugal Fans

Price: \$49.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/bapa0810r2hy001-avc-12vdc-80x10mm-4-wire-laptop-blower>

Product Description

The AVC BAPA0810R2HY001 is a high-efficiency DC blower specifically engineered for advanced thermal management in gaming laptops. Operating at 12VDC with a rated current of 0.50A, this 80x10mm cooling component utilizes a durable hydraulic bearing system to ensure quiet operation and extended service life. Designed with a 4-wire PWM interface, it allows for precise speed control based on real-time thermal demands. This industrial-grade blower fan is optimized for high airflow and static pressure, making it an essential replacement part for Lenovo Legion Y9000P and R9000P 2022 series laptops. Its compact form factor and reliable performance ensure stable CPU temperatures during intensive processing tasks.

Model Number: BAPA0810R2HY001

Brand: AVC

Product Type: Blower Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.50A

Power: 6.0W

Rated Speed: 4800RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 14.20 CFM (24.13 m³/h / 0.40 m³/min)

Max. Static Pressure: 18.50 mmH₂O (181.42 Pa / 0.73 inH₂O)

Dimensions: 80x80x10mm

Weight: 42g

Life Expectancy: 40,000 hours

Speed Control: 4-Wire PWM

Termination: 4-Pin Connector

Housing Material: UL94V-0 Plastic

Blade Material: UL94V-0 Plastic

Operating Temperature: -10C to +70C

Storage Temperature: -40C to +75C

Protection: Locked Rotor Protection, Reverse Polarity Protection

The BAPA0810R2HY001 is primarily utilized as a dedicated CPU cooling solution within high-performance gaming laptops. Specifically, the BAPA0810R2HY001 is the original equipment manufacturer component for the Lenovo Legion Y9000P IAH7H 2022 and R9000P ARH7H 2022 series. It is also suitable for other compact electronic enclosures requiring slim-profile blowers for targeted heat dissipation in restricted spaces.

Supplemental Images

