

BAZA1233R2U-P001 AVC 12VDC 120x33mm Centrifugal Blower Datasheet



Brand: AVC

SKU: 646158938079

Category: Axial & Centrifugal Fans

Price: \$22.99

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Product Page:

<https://www.equipspares.com/product/baza1233r2u-p001-avc-12vdc-120x33mm-centrifugal-blower>

Product Description

AVC BAZA1233R2U-P001 is a 12VDC 120x33mm Blower optimized for high-density thermal dissipation in compact enclosures. This centrifugal fan utilizes a DC brushless motor integrated with advanced hydraulic bearing architecture to ensure low acoustic profiles and high structural rigidity. Engineered to overcome significant system impedance, it delivers a robust 28.2 CFM while drawing 0.9A. The aerodynamic impeller design is specifically tuned for All-in-One (AIO) systems and slim chassis, providing efficient heat extraction where axial fans fail. Its 4-pin PWM interface allows for precise thermal control, ensuring optimal cooling efficiency across varying workloads and maintaining low thermal impedance.

Model Number: BAZA1233R2U-P001

Brand: AVC

Product Type: Centrifugal Blower

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.9A

Power: 10.8W

Rated Speed: 3500 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 28.2 CFM (0.80 m³/min)

Max. Static Pressure: 18.5 mmH₂O (181.4 Pa)

Dimensions: 120 x 120 x 33 mm

Weight: 210g

Life Expectancy: 50,000 Hours at 40°C

Speed Control: PWM (4-Pin)

Ingress Protection: IP54

Housing Material: UL94V-0 Plastic

Blade Material: UL94V-0 Plastic

Termination: 4-Wire Lead

Operating Temperature: -10°C to +70°C

Protection: Locked Rotor Protection, Reverse Polarity Protection

BAZA1233R2U-P001 Applications

1. All-in-One (AIO) Desktop PCs: The centrifugal design is essential for slim chassis where air must be exhausted through narrow side vents, effectively managing CPU heat in restricted volumes.
2. Industrial Embedded Systems: High static pressure allows this blower to act as a reliable replacement fan for cooling densely packed PCB components where axial airflow is blocked by internal hardware.
3. Projector Thermal Modules: Low-vibration hydraulic bearings provide the stability required for optical precision while maintaining the high-velocity exhaust needed for high-lumen lamp cooling.

Supplemental Images

