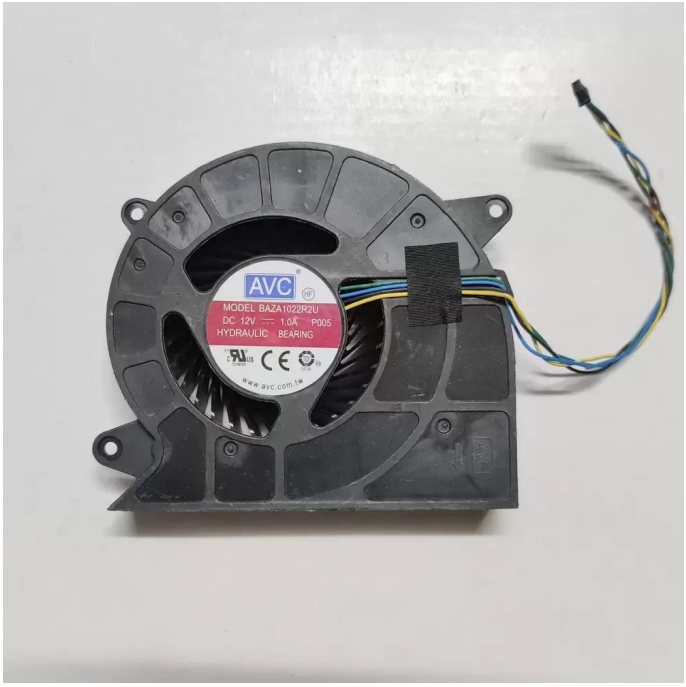
BAZA1022R2U-P005 AVC 12VDC 100mm Centrifugal Blower Datasheet



Brand: AVC

SKU: 1021635148012

Category: Axial & Centrifugal Fans

Price: **$23.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/baza1022r2u-p005-avc-12vdc-100mm-centrifugal-blower

Product Description

AVC BAZA1022R2U-P005 is a 12VDC 100mm Centrifugal Blower optimized for high-density thermal management in All-in-One (AIO) computing systems. This unit features a DC brushless motor integrated with advanced hydraulic bearing architecture to significantly reduce thermal impedance while maintaining structural rigidity during high-velocity operation. The aerodynamic impeller is specifically designed to generate high static pressure, essential for pushing air through dense heatsink fins. Operating at a 1.0A rated current, it provides the necessary torque for rapid heat dissipation, while the 4-wire PWM interface ensures precise RPM modulation to balance acoustic performance with cooling demands.

Model Number: BAZA1022R2U-P005
Brand: AVC
Product Type: Centrifugal Blower
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 1.0A
Power: 12.0W
Rated Speed: 4500 RPM (Approximate)
Bearing Type: Hydraulic Bearing
Max. Air Flow: 22.4 CFM

Max. Static Pressure: 18.5 mmH2O
Dimensions: 100mm x 100mm x 22mm
Weight: 92g
Life Expectancy: 40,000 Hours at 40C
Speed Control: 4-Wire PWM
Termination: 4-Pin Original Connector
Housing Material: UL94V-0 Reinforced Plastic
Blade Material: UL94V-0 Reinforced Plastic
Operating Temperature: -10C to +70C
Protection: Locked Rotor Protection, Reverse Polarity Protection
Certifications: CE, TUV, UL Recognized

BAZA1022R2U-P005 Applications

1. Lenovo AIO Desktop Thermal Modules: Engineered as a precision replacement fan for A5000, A7400, and AIO520-24IKL series to restore factory-spec cooling and prevent CPU throttling.
2. High-Impedance Compact Enclosures: Utilizes centrifugal physics to overcome the high back-pressure found in ultra-slim 22mm chassis where standard axial fans fail to provide adequate airflow.

Supplemental Images