

BAZB0818R2U-P005 AVC 12V 80x80x18mm Centrifugal Blower Datasheet



Brand: AVC

SKU: [850619349822](#)

Category: Axial & Centrifugal Fans

Price: **\$30.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/bazb0818r2u-p005-avc-12v-80x80x18mm-centrifugal-blower>

Product Description

The AVC BAZB0818R2U-P005 is a 12VDC 80x80x18mm Blower Centrifugal Fan optimized for high-density thermal management in ultra-small form factor (USFF) computing environments. Engineered with advanced hydraulic bearing architecture, this unit minimizes thermal impedance while maintaining structural rigidity under high-velocity operation. The motor technology utilizes a 1.5A high-current draw to achieve the static pressure necessary for forcing air through dense copper fin arrays. This model features a 4-wire PWM interface for precise speed modulation, ensuring efficient heat dissipation for Lenovo Tiny series workstations while operating within strict acoustic parameters.

Model Number: BAZB0818R2U-P005

Brand: AVC

Product Type: Blower Centrifugal Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 1.5 A

Power: 18.0 W

Rated Speed: 5400 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 18.45 CFM

Max. Static Pressure: 24.2 mmH₂O

Dimensions: 80 x 80 x 18 mm

Weight: 85 g

Life Expectancy: 50,000 Hours at 40°C

Speed Control: PWM Control

Signal Output: Tachometer / Frequency Generator

Termination: 4-Pin 4-Wire Connector

Housing Material: UL94V-0 Plastic / Aluminum Base

Blade Material: UL94V-0 Reinforced PBT

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, TUV, UL, RoHS

BAZB0818R2U-P005 Applications

1. Lenovo Tiny Series USFF Maintenance: Ideal replacement fan for M80q, M90q, M950q, and P360 Tiny workstations where the blower geometry must perfectly align with integrated copper heat sinks to overcome high internal system impedance.
2. 1U Rackmount Edge Servers: Provides the necessary lateral airflow and high static pressure required for cooling low-profile processors in shallow-depth networking enclosures.
3. Ruggedized Industrial Mini-PCs: The hydraulic bearing system offers superior vibration dampening and longevity in 24/7 deployment scenarios for industrial automation controllers.

Supplemental Images

