

# BAZC0818R2U-Y006 AVC 12V 80x80x18mm Blower Centrifugal Fan Datasheet



**Brand:** AVC

**SKU:** [844785564300](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$27.99**

---

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

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

---

Product Page:

<https://www.equipspares.com/product/bazc0818r2u-y006-avc-12v-80x80x18mm-blower-centrifugal-fan>

---

## Product Description

---

The AVC BAZC0818R2U-Y006 is a 12VDC 80x80x18mm centrifugal blower fan optimized for high-density thermal management in compact computing environments. Engineered with a high-efficiency DC brushless motor and advanced bearing architecture, this unit minimizes thermal impedance within restricted airflow paths. The 1.5A current rating supports high-velocity air discharge, essential for maintaining structural rigidity and cooling efficiency in small form factor (SFF) systems. Featuring a 4-wire PWM interface for precise speed modulation, it delivers targeted cooling performance with a focus on overcoming the high system impedance found in modern micro-PC chassis.

Model Number: BAZC0818R2U-Y006

Brand: AVC

Product Type: Centrifugal Blower 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: Dual Ball Bearing

Max. Air Flow: 18.45 CFM (31.35 m<sup>3</sup>/h)

Max. Static Pressure: 28.4 mmH<sub>2</sub>O (278.5 Pa)

Dimensions: 80 x 80 x 18 mm

Weight: 85 g

Life Expectancy: 70,000 hours at 40°C

Speed Control: PWM Signal Control

Feedback: Tachometer / Frequency Generator

Termination: 4-Pin Connector

Housing Material: UL94V-0 Thermoplastic

Blade Material: UL94V-0 Thermoplastic

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, TUV, UL, RoHS

Part Number: 5F10U94131

#### BAZC0818R2U-Y006 Applications

1. Lenovo 小新Mini 01IRH Thermal Module: Direct replacement fan designed to match the specific pressure-to-flow curve required for the 01IRH internal heat sink assembly.
2. Ultra-Compact Form Factor (UCFF) Cooling: Ideal for 1U or sub-1U enclosures where the 18mm low-profile height and centrifugal discharge are necessary to exhaust heat from high-TDP processors.
3. High-Impedance Industrial Controllers: Provides the necessary static pressure to force air through tightly packed PCB components and localized heat spreaders in ruggedized mini-PCs.

## Supplemental Images

---

