

BATA0515B2U-018 AVC 12VDC 50x50x15mm PWM Blower Fan Datasheet



Brand: AVC

SKU: 997515327615

Category: Axial & Centrifugal Fans

Price: \$9.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/bata0515b2u-018-avc-12vdc-50x50x15mm-pwm-blower-fan>

Product Description

The AVC BATA0515B2U-018 is a specialized Centrifugal Blower designed for high-density thermal management applications requiring significant static pressure. Engineered with a robust DC motor and Dual Ball Bearing architecture, this unit ensures long-term structural rigidity and operational stability under high-load conditions. The aerodynamic volute design optimizes airflow delivery, overcoming high thermal impedance in restricted spaces such as 1U server racks and compact industrial enclosures. Its high-current specification indicates a performance-oriented profile suitable for critical cooling tasks.

Model Number: BATA0515B2U-018

Brand: AVC (Asia Vital Components)

Product Type: Centrifugal Blower

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 1.50 A

Power: 18.0 W

Rated Speed: 11000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 6.8 CFM (11.55 m³/h)

Max. Static Pressure: 2.85 inH₂O (710 Pa)

Dimensions: 50x50x15mm

Weight: 30g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 58.5 dB(A)

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Termination: 4-Wire Lead

Ingress Protection: IP40

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Certifications: UL, cUL, TUV, CE

Protection: Locked Rotor Protection, Polarity Protection

This high-static pressure blower is specifically engineered for space-constrained environments where overcoming system resistance is paramount. The BATA0515B2U-018 is frequently utilized in 1U server chassis, blade servers, and high-performance computing clusters where directed airflow is required to cool heatsinks and processors. Additionally, the BATA0515B2U-018 serves effectively in compact 3D printers for part cooling, telecommunications equipment, and precision medical instrumentation requiring reliable forced air convection.

Supplemental Images

