

DASA0820R2U-P001 AVC 12VDC 0.60A 80x80x20mm Axial Fan Datasheet



Brand: AVC

SKU: 663180293190

Category: Axial & Centrifugal Fans

Price: \$18.99

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Product Page:

<https://www.equipspares.com/product/dasa0820r2u-p001-avc-12vdc-0-60a-80x80x20mm-axial-fan>

Product Description

The AVC DASA0820R2U-P001 is a high-efficiency DC axial fan engineered for precision thermal management in space-constrained industrial environments. Utilizing a sophisticated brushless DC motor architecture, this unit minimizes thermal impedance through optimized blade geometry and a high-rigidity thermoplastic housing. The dual ball bearing system ensures long-term structural integrity and rotational stability under continuous duty cycles. Designed for integration into systems requiring active speed modulation, the four-wire interface supports pulse width modulation for granular control over airflow dynamics, ensuring peak aerodynamic efficiency while maintaining low acoustic signatures in variable load scenarios.

Model Number: DASA0820R2U-P001

Brand: AVC

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.60A

Power: 7.2W

Rated Speed: 4500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 52.9 CFM (89.88 m³/h / 1.50 m³/min)

Max. Static Pressure: 7.42 mmH₂O (72.77 Pa / 0.29 inH₂O)

Dimensions: 80x80x20mm

Weight: 85g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM Signal

Monitoring Output: Tachometer / Frequency Generator

Noise Level: 44.5 dBA

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 4-Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: UL, TUV, CE, RoHS

This cooling solution is primarily deployed in high-density server enclosures and telecommunications infrastructure where the DASA0820R2U-P001 provides critical heat dissipation for internal components. The compact 20mm depth of the DASA0820R2U-P001 makes it an ideal candidate for 1U/2U rackmount systems, medical diagnostic equipment, and industrial power supplies. Its robust construction ensures reliable performance in CNC control cabinets and network switching hardware requiring consistent, high-pressure airflow.

Supplemental Images

