

DASA0820R2U-P017 AVC 12VDC 0.60A 80x80x20mm Axial Fan Datasheet



Brand: AVC

SKU: [1031774559935](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/dasa0820r2u-p017-avc-12vdc-0-60a-80x80x20mm-axial-fan>

Product Description

AVC DASA0820R2U-P017 is a 12VDC 80x80x20mm Axial Fan optimized for high-density thermal management in space-constrained enclosures. Engineered with a high-efficiency DC motor and a 7-blade aerodynamic profile, this unit minimizes thermal impedance while maintaining structural rigidity under high rotational speeds. The integration of a 4-wire PWM control interface allows for precise modulation of its 0.60A current draw, ensuring optimal cooling-to-noise ratios. Designed as a specialized Dell OEM component, it utilizes advanced bearing architecture to ensure long-term reliability in environments requiring consistent static pressure and high-velocity airflow to dissipate heat from critical semiconductors.

Model Number: DASA0820R2U-P017

Brand: AVC

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.60 A

Power: 7.2 W

Rated Speed: 4500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 48.5 CFM (82.4 m³/h)

Max. Static Pressure: 7.12 mmH₂O (69.8 Pa)

Dimensions: 80 x 80 x 20 mm

Weight: 85 g

Life Expectancy: 70,000 hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Monitoring Output: Tachometer / Frequency Generator

Termination: 4-Pin Connector (Dell Proprietary)

Blade Material: UL94V-0 Plastic

Housing Material: UL94V-0 Plastic

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

DASA0820R2U-P017 Applications

1. 1U/2U Rackmount Servers: The 20mm slim profile and high 0.60A current rating provide the necessary static pressure to overcome high system impedance in densely packed Dell server chassis.
2. Precision Workstation Cooling: Ideal as a replacement fan for high-end desktop workstations where PWM-controlled thermal regulation is required to maintain optical and processing precision.
3. Industrial VFD Enclosures: The dual ball bearing architecture allows for vertical or horizontal mounting in variable frequency drive cabinets where low-vibration and high-reliability cooling are mandatory.

Supplemental Images

