

# DS08025RS12U-P227 AVC 12VDC 80x80x25mm PWM Axial Fan Datasheet



**Brand:** AVC

**SKU:** [693956569202](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$12.99**

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Product Page:

<https://www.equipspares.com/product/ds08025rs12u-p227-avc-12vdc-80x80x25mm-pwm-axial-fan>

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## Product Description

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The AVC DS08025RS12U-P227 is a precision-engineered DC Axial Fan designed for critical thermal management applications requiring high static pressure and efficient airflow. Utilizing advanced Hydraulic Bearing technology, this unit minimizes friction and acoustic noise while significantly extending operational lifespan compared to standard sleeve bearings. The aerodynamic impeller design optimizes air intake to reduce thermal impedance within dense electronic enclosures. Constructed with high-grade materials for structural rigidity, the DS08025RS12U-P227 ensures stable performance under continuous load, featuring integrated PWM speed control for dynamic cooling adjustments based on system temperature requirements. This robust architecture makes it suitable for demanding industrial environments where reliability is non-negotiable.

Model Number: DS08025RS12U-P227

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.70 A

Input Power: 8.40 W

Rated Speed: 4500 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 64.0 CFM (108.7 m<sup>3</sup>/h)  
Max. Static Pressure: 8.5 mmH<sub>2</sub>O (83.3 Pa / 0.33 inH<sub>2</sub>O)  
Dimensions: 80 x 80 x 25 mm  
Noise Level: 44.0 dBA  
Termination: 4-Wire Lead (PWM)  
Speed Control: Pulse Width Modulation (PWM)  
Connector: Standard 4-Pin Motherboard Header  
Housing Material: PBT (UL94V-0)  
Blade Material: PBT (UL94V-0)  
Operating Temperature: -10°C to +70°C  
Life Expectancy: 50,000 Hours at 40°C  
Weight: 85 g  
Ingress Protection: IP40  
Safety Certifications: CE, UL, TUV

Designed for high-density electronic environments, the DS08025RS12U-P227 excels in dissipating heat from compact server racks and telecommunication enclosures where airflow efficiency is paramount. Its robust hydraulic bearing system makes the DS08025RS12U-P227 ideal for continuous operation in industrial automation equipment, CNC machinery, and precision medical devices. Furthermore, the PWM functionality allows for seamless integration into smart cooling systems found in high-performance workstations and power supply units, ensuring optimal thermal regulation without unnecessary noise generation during idle states.

## Supplemental Images

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