

# DA05015B12SPT01 AVC 12VDC 50x50x15mm PWM DC Axial Fan Datasheet



**Brand:** AVC

**SKU:** 998976349271

**Category:** Axial & Centrifugal Fans

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

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Product Page:

<https://www.equipspares.com/product/da05015b12spt01-avc-12vdc-50x50x15mm-pwm-dc-axial-fan>

## Product Description

The AVC DA05015B12SPT01 is a precision-engineered DC Axial Fan designed for high-density thermal management applications requiring substantial static pressure and airflow throughput. Utilizing advanced dual ball bearing architecture, this unit ensures long-term operational stability and reduced frictional coefficients under continuous load. The 50mm frame is constructed from reinforced thermoplastic, offering superior structural rigidity and vibration damping properties. Integrated 4-wire PWM control logic allows for dynamic speed modulation, optimizing the balance between thermal dissipation efficiency and acoustic performance. This model is specifically calibrated to minimize thermal impedance in compact electronic enclosures and server environments.

Model Number: DA05015B12SPT01

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.57 A

Power Consumption: 6.84 W

Rated Speed: 7500 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 22.5 CFM (38.2 m<sup>3</sup>/h / 0.63 m<sup>3</sup>/min)  
Max. Static Pressure: 16.5 mmH<sub>2</sub>O (161.8 Pa / 0.65 inH<sub>2</sub>O)  
Dimensions: 50 x 50 x 15 mm  
Weight: 35 g  
Life Expectancy: 70,000 Hours at 40°C  
Speed Control: 4-Wire PWM (Pulse Width Modulation)  
Termination: 4-Wire Lead with Standard Connector  
Housing Material: PBT (UL94V-0)  
Impeller Material: PBT (UL94V-0)  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Ingress Protection: IP4X  
Insulation Resistance: >10M Ohm at 500VDC  
Dielectric Strength: 500VAC for 1 Minute  
Safety Certifications: CE, UL, TUV, RoHS

This electromechanical cooling solution is primarily deployed in compact server racks and high-performance computing clusters where space constraints demand high static pressure capabilities. The DA05015B12SPT01 excels in cooling 1U server power supplies and dense component arrays found in telecommunications equipment. Additionally, the DA05015B12SPT01 is frequently utilized in precision medical instrumentation and industrial automation control panels, ensuring critical components remain within safe thermal operating limits during continuous duty cycles.

## Supplemental Images

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