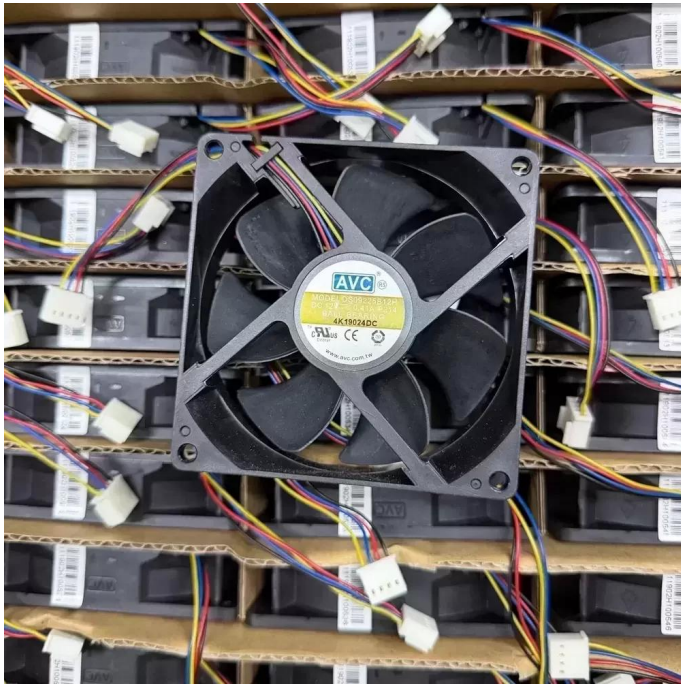


DS09225B12H-P214 AVC 12VDC 92x92x25mm PWM Axial Fan Datasheet



Brand: AVC

SKU: [1016267816946](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/ds09225b12h-p214-avc-12vdc-92x92x25mm-pwm-axial-fan>

Product Description

The AVC DS09225B12H-P214 is a precision-engineered DC axial fan designed for critical thermal management in high-density electronic enclosures. Utilizing advanced Double Ball Bearing architecture, this unit ensures minimal frictional resistance and extended operational longevity under continuous load conditions. The aerodynamic impeller geometry is optimized to balance static pressure with airflow, effectively reducing thermal impedance within restricted spaces. Featuring a 4-wire PWM interface, the motor allows for dynamic speed modulation based on real-time thermal demands, enhancing energy efficiency while maintaining structural rigidity through its reinforced thermoplastic housing. This specific configuration delivers robust performance for industrial applications requiring reliable heat dissipation.

Model Number: DS09225B12H-P214

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.41 A

Power: 4.92 W

Rated Speed: 3800 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 68.50 CFM (116.4 m³/h / 1.94 m³/min)

Max. Static Pressure: 6.80 mmH₂O (66.68 Pa / 0.27 inH₂O)

Dimensions: 92x92x25mm

Weight: 98 g

Life Expectancy: 70,000 Hours @ 40°C

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Leads

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

The DS09225B12H-P214 is frequently integrated into server chassis and telecommunications racks where reliable heat dissipation is paramount. Its precise PWM control makes the DS09225B12H-P214 ideal for variable-load cooling in industrial automation equipment, power supply units, and medical instrumentation, ensuring components remain within safe operating temperature ranges without unnecessary acoustic noise during idle states.

Supplemental Images

