

DS09225R12H-P316 AVC 12VDC 92x92x25mm Axial Fan Datasheet



Brand: AVC

SKU: 933147221245

Category: Axial & Centrifugal Fans

Price: \$21.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/ds09225r12h-p316-avc-12vdc-92x92x25mm-axial-fan>

Product Description

The AVC DS09225R12H-P316 is a 12VDC 92x92x25mm Axial Fan optimized for high-density thermal dissipation in compact enclosures. Engineered with advanced hydraulic bearing architecture, this unit minimizes mechanical friction to ensure structural rigidity and extended life expectancy during continuous operation. The fan utilizes a 4-wire PWM interface for precise speed modulation, allowing the system to balance 0.41A power consumption against real-time thermal impedance requirements. With a peak airflow rating of 59.2CFM, the aerodynamic blade geometry is specifically designed to reduce acoustic turbulence while maintaining the static pressure necessary to overcome internal chassis resistance.

Model Number: DS09225R12H-P316

Brand: AVC

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.41 A

Power: 4.92 W

Rated Speed: 3800 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 59.2 CFM (100.58 m³/h)

Max. Static Pressure: 5.45 mmH₂O (53.45 Pa)

Dimensions: 92 x 92 x 25 mm

Weight: 95 g

Life Expectancy: 50,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead Wires

Signal Output: Tachometer / F-Type Signal

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

DS09225R12H-P316 Applications

1. Desktop Workstation Chassis: Provides a high-performance replacement fan solution for mid-tower cases requiring PWM-regulated airflow to manage CPU and GPU heat soak.
2. Network Switch Cooling: The 92mm form factor and hydraulic bearing design offer low-vibration operation for sensitive optical networking equipment.
3. Industrial Power Supplies: Ideal for overcoming high system impedance in 1U/2U integrated power modules where consistent static pressure is required." required.

Supplemental Images

