

DS09225B12U-P177 AVC 12VDC 92x92x25mm PWM Axial Fan Datasheet



Brand: AVC

SKU: [680268743293](#)

Category: Axial & Centrifugal Fans

Price: **\$13.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/ds09225b12u-p177-avc-12vdc-92x92x25mm-pwm-axial-fan>

Product Description

The AVC DS09225B12U-P177 is a precision-engineered Axial Fan designed for high-efficiency thermal management in demanding electronic environments. Utilizing advanced DC motor technology and a robust ball bearing architecture, this unit ensures optimal rotational stability and minimized friction coefficients, contributing to a prolonged operational lifespan. The aerodynamic blade geometry is optimized to deliver substantial airflow while maintaining manageable acoustic profiles, effectively lowering thermal impedance within enclosed chassis. Featuring integrated PWM speed control, the fan dynamically adjusts RPM based on thermal load, balancing cooling performance with energy consumption. Its structural rigidity and precise 92mm form factor make it an ideal solution for critical cooling applications requiring reliable heat dissipation and intelligent thermal regulation.

Model Number: DS09225B12U-P177

Brand: AVC (Asia Vital Components)

Product Type: Axial Fan

Rated Voltage: 12 VDC

Rated Current: 0.70 A

Power Consumption: 8.40 W

Rated Speed: 4200 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 81.0 CFM (137.6 m³/h / 2.29 m³/min)

Noise Level: 18 - 40 dBA

Dimensions: 92 x 92 x 25 mm

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire / 4-Pin Motherboard Connector

Wire Length: 150 mm

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Mounting Orientation: Any

Operating Temperature: -10°C to +70°C

This high-performance cooling solution is specifically engineered for applications where thermal density requires active and intelligent airflow management. The DS09225B12U-P177 is frequently deployed in computer chassis, server racks, and workstation CPU cooling assemblies where variable speed control is essential for acoustic management. By utilizing the PWM functionality, the DS09225B12U-P177 adapts to fluctuating temperatures, making it suitable for industrial automation equipment, power supply units, and telecommunications hardware that demand consistent airflow without constant maximum noise output.

Supplemental Images

