DA05015B12SPT11 AVC 50x50x15mm 12VDC 0.57A Blower Fan Datasheet

Brand: AVC

SKU: 1038647894837

Category: Axial & Centrifugal Fans

Price: **$22.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/da05015b12spt11-avc-50x50x15mm-12vdc-0-57a-blower-fan

Product Description

The AVC DA05015B12SPT11 is a high-performance centrifugal blower fan measuring 50 x 50 x 15 mm, operating at a nominal 12 VDC with a 0.57 A current rating. This unit features a robust dual ball bearing system designed for extended operational life and high-speed stability, reaching up to 6500 RPM. The internal mechanism is housed in a UL94V-0 rated thermoplastic frame and impeller, ensuring flame retardancy. It utilizes a 4-wire interface supporting precise PWM pulse width modulation for dynamic speed control, delivering a concentrated airflow of 4.71 CFM and a static pressure rating of 23.98 mmH2O. The brushless DC motor design incorporates polarity protection and auto-restart functionality to maintain thermal equilibrium in high-density electronic environments.

DA05015B12SPT11 Specifications
Model: DA05015B12SPT11
Brand: AVC (Asia Vital Components)
Category: DC Centrifugal Blower
Dimensions: 50 x 50 x 15 mm
Rated Voltage: 12 VDC
Operating Voltage Range: 7 VDC to 13.5 VDC
Rated Current: 0.57 A
Input Power: 6.84 W

Rated Speed: 6500 RPM
Maximum Airflow: 4.71 CFM (0.133 m^3/min)
Static Pressure: 23.98 mmH2O (0.944 inH2O)
Noise Level: 46.3 dB(A)
Bearing Type: Dual Ball Bearing
Interface: 4-wire PWM (Pulse Width Modulation)
Material: UL94V-0 PBT Plastic
Weight: 27 g
Operating Temperature: -10 to 70 °C
Storage Temperature: -40 to 75 °C
Life Expectancy: 70,000 hours at 40 °C

DA05015B12SPT11 Applications

Primary applications include integration into 3D printer hotend cooling systems, compact server rack ventilation, and telecommunications power supply modules. Deployed within medical diagnostic equipment and small-form-factor industrial PC enclosures to provide targeted thermal management for high-heat components.

Supplemental Images