

DS05020B12U-T07 AVC 12VDC 0.30A 50x50x20mm Axial Fan Datasheet



Brand: AVC

SKU: 1023059192447

Category: Axial & Centrifugal Fans

Price: \$23.00

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Product Page:

<https://www.equipspares.com/product/ds05020b12u-t07-avc-12vdc-0-30a-50x50x20mm-axial-fan>

Product Description

AVC DS05020B12U-T07 is a high-performance 50 x 50 x 20 mm axial cooling fan operating at a nominal 12 VDC with a 0.30 A current draw. This unit is equipped with a precision dual ball bearing system and a high-torque 5-blade impeller designed for high-pressure air displacement in high-impedance environments. The internal architecture features a brushless DC motor with integrated polarity protection and auto-restart functionality. Constructed with UL 94V-0 rated thermoplastic PBT housing and blades, the fan utilizes a 4-wire interface supporting Pulse Width Modulation (PWM) for dynamic speed control and a Frequency Generator (FG) signal for tachometer monitoring.

DS05020B12U-T07 Specifications

Model Number: DS05020B12U-T07

Brand: AVC (Asia Vital Components)

Product Category: DC Axial Fan

Dimensions: 50 x 50 x 20 mm

Rated Voltage: 12 VDC

Operating Voltage Range: 7.0 to 13.2 VDC

Rated Current: 0.30 A

Input Power: 3.60 W

Rotational Speed: 6000 RPM

Maximum Airflow: 18.7 CFM

Maximum Static Pressure: 6.85 mmH₂O

Noise Level: 39.5 dB(A)

Bearing Type: Dual Ball Bearing

Interface: 4-Wire (Lead wires)

Signal Output: PWM Control and FG Speed Sensor

Material: PBT Plastic (UL 94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Life Expectancy: 70000 hours at 40 °C

Weight: 32 g

Certifications: UL, TUV, CE, RoHS

DS05020B12U-T07 Applications

Primary applications include integration into 1U server chassis, high-density network switches, and industrial power supply units. Deployed within telecommunications base stations, medical diagnostic equipment, and compact CNC controller cabinets for localized thermal management of high-heat electronic components.

Supplemental Images

