

YY5010H5S SNOWFAN 5VDC 50x50x10mm Axial Fan Datasheet



Brand: SNOWFAN

SKU: [997127778697](#)

Category: Axial & Centrifugal Fans

Price: **\$11.99**

E-mail: sales@equipspares.com

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

Product Page: <https://www.equipspares.com/product/yy5010h5s-snowfan-5vdc-50x50x10mm-axial-fan>

Product Description

SNOWFAN YY5010H5S is a 5VDC 50x50x10mm Axial Fan optimized for compact thermal management in low-voltage electronic enclosures. This unit features a high-efficiency DC motor architecture paired with a precision sleeve bearing system designed to minimize thermal impedance in space-constrained environments. The aerodynamic impeller is engineered for structural rigidity, ensuring stable airflow delivery even under continuous operation. Operating at a rated current of 0.20A, this fan provides a balanced ratio of static pressure to noise, making it an ideal replacement fan for consumer electronics and small-scale industrial controllers requiring reliable heat dissipation.

Model Number: YY5010H5S

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Product Type: Axial Fan

Rated Voltage: 5 VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.20 A

Power: 1.0 W

Rated Speed: 5000 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 11.4 CFM

Max. Static Pressure: 3.2 mmH2O

Dimensions: 50 x 50 x 10 mm

Weight: 18 g

Life Expectancy: 30,000 Hours at 25 C

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Termination: 2-Wire Lead Wires

Wire Length: 280 mm

Insulation Class: Class A

Operating Temperature: -10 to +70 C

Storage Temperature: -40 to +75 C

Protection Features: Impedance Protected

YY5010H5S Applications

1. Compact Network Hardware: The 10mm ultra-slim profile allows for integration into 1U network switches and routers where overcoming internal component impedance is critical for long-term stability.
2. Portable Medical Devices: Low-vibration sleeve bearing design provides quiet, consistent cooling for handheld diagnostic equipment requiring a 5VDC power rail.
3. Embedded Computing Cooling: Ideal as a replacement fan for SBC (Single Board Computer) enclosures and DIY electronics projects where precise 50mm mounting footprints are required."

Supplemental Images

