YY6010H12S SNOWFAN 12VDC 0.17A 60x60x10mm Axial Fan Datasheet

Brand: SNOWFAN

SKU: 997143770012

Category: Axial & Centrifugal Fans

Price: **$11.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/yy6010h12s-snowfan-12vdc-0-17a-60x60x10mm-axial-fan

Product Description

SNOWFAN YY6010H12S is a 12VDC 60x60x10mm Axial Fan optimized for space-constrained thermal management in compact electronic enclosures. This unit utilizes a specialized motor architecture and sleeve bearing system to minimize thermal impedance while maintaining structural rigidity in slim-profile applications. Operating at 0.17A, the YY6010H12S delivers consistent airflow to mitigate localized hotspots. Its aerodynamic impeller design is engineered for low-vibration performance, ensuring long-term reliability in sensitive hardware environments. With a power consumption of approximately 2.04 W, this fan balances energy efficiency with the static pressure required to overcome internal system resistance in 1U chassis and portable diagnostic equipment.

Model Number: YY6010H12S
Brand: SNOWFAN
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.17 A
Power: 2.04 W
Rated Speed: 4500 RPM
Bearing Type: Sleeve Bearing
Max. Air Flow: 15.8 CFM (26.8 m^3/h / 0.45 m^3/min)

Max. Static Pressure: 3.2 mmH_2O (31.4 Pa / 0.13 inH_2O)
Dimensions: 60 x 60 x 10 mm
Weight: 25 g
Life Expectancy: 30,000 Hours
Noise Level: 32.0 dB(A)
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Termination: 2 Lead Wires (20 cm)
Operating Temperature: -10 to +70 C
Storage Temperature: -40 to +75 C
Insulation Resistance: 10M Ohm at 500 VDC
Dielectric Strength: 5mA Max at 500 VAC for 1 minute
Protection Features: Polarity Protection, Locked Rotor Protection

YY6010H12S Applications

1. 1U Network Appliances: The 10mm ultra-slim profile provides a critical replacement fan solution for shallow-depth rackmount switches and routers where vertical clearance is restricted.
2. Portable Medical Monitors: Low-vibration sleeve bearing design ensures minimal interference with sensitive optical or acoustic sensors in handheld diagnostic tools.
3. Embedded Industrial PCs: High static pressure relative to thickness allows for efficient heat dissipation through dense internal component layouts in fanless-to-active conversion kits.

Supplemental Images


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SNOWFAN
MODEL YY6010H12S
DC 12V 0.17A
YONGYIHAO ELECTRONIC CO.,LTD