YY12025H12B SNOWFAN 12VDC 120x120x25mm PWM Axial Fan Datasheet

Brand: SNOWFAN

SKU: 829998052107

Category: Axial & Centrifugal Fans

Price: **$8.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/yy12025h12b-snowfan-12vdc-120x120x25mm-pwm-axial-fan

Product Description

The SNOWFAN YY12025H12B is a precision-engineered Axial Fan designed to deliver superior aerodynamic performance in demanding thermal environments. Built upon a robust DC motor platform and anchored by a high-endurance Dual Ball Bearing system, this unit minimizes frictional losses to ensure long-term reliability and structural rigidity. The fan features an advanced sickle-shaped blade geometry, molded from flame-retardant PBT UL94V-0 material, which optimizes airflow delivery while reducing turbulence-induced noise. Equipped with 4-wire PWM control, the YY12025H12B allows for dynamic speed modulation, effectively managing thermal impedance by adjusting rotational velocity from 0 to 3200 RPM based on real-time system requirements.

Model Number: YY12025H12B
Brand: SNOWFAN
Product Type: Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7 - 13.5 VDC
Start Voltage: DC ≤ 7V
Rated Current: 0.40 A ±10%
Power Consumption: 3.6 W
Rated Speed: 0 - 3200 RPM ±10%
Max. Air Flow: 94 CFM (2.6 m^3/min)

Max. Static Pressure: 5.3 mmH_2O (0.20 inH_2O)
Noise Level: 40 dB-A
Bearing Type: Dual Ball Bearing
Dimensions: 120 x 120 x 25 mm
Mounting Hole Distance: 105 mm
Housing Material: PBT Plastic UL94V-0
Blade Material: PBT Plastic UL94V-0
Speed Control: 4-Wire PWM (Supports 0 RPM Stop)
Termination: 4-Pin Connector (Mainboard Type)
Life Expectancy: 50000 Hours @ 40°C
Operating Temperature: -10°C to +70°C

The YY12025H12B is ideally suited for integration into high-performance computer chassis, server rack cooling systems, and industrial automation enclosures requiring variable airflow control. By utilizing the PWM functionality, the YY12025H12B adapts seamlessly to fluctuating thermal loads in telecommunications equipment and power supply units, ensuring critical components are maintained within safe operating limits while optimizing energy consumption and acoustic signatures.

Supplemental Images