YY12025M12S SNOWFAN 12VDC 120x120x25mm PWM Axial Fan Datasheet

Brand: SNOWFAN

SKU: 1011107718355

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/yy12025m12s-snowfan-12vdc-120x120x25mm-pwm-axial-fan

Product Description

The SNOWFAN YY12025M12S is a precision-engineered Axial Fan designed for critical thermal management in high-density electronic enclosures. Utilizing advanced DC motor technology coupled with a low-friction Hydraulic Bearing system, this unit ensures optimal rotational stability and extended operational service life. The aerodynamic impeller geometry is calibrated to minimize turbulence while maximizing volumetric throughput, effectively reducing thermal impedance within the target system. Its structural rigidity is reinforced by a durable thermoplastic frame, ensuring resistance to vibrational stress. Featuring Pulse Width Modulation (PWM) control, the YY12025M12S dynamically adjusts rotational speed based on thermal load, balancing acoustic performance with cooling efficiency for sophisticated industrial and computing applications.

Model Number: YY12025M12S
Brand: SNOWFAN
Product Type: Axial Fan
Rated Voltage: 12 VDC
Rated Current: 0.27 A
Power Consumption: 3.24 W
Rated Speed: 1200 - 1800 RPM (±10%)
Bearing Type: Hydraulic Bearing
Max. Air Flow: 75 CFM (127.43 m^3/h / 2.12 m^3/min)

Max. Static Pressure: 1.5 mmH_2O (14.71 Pa / 0.06 inH_2O)
Dimensions: 120 x 120 x 25 mm
Noise Level: 20 - 30 dB(A)
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Pin Connector
Weight: Not Specified
Life Expectancy: Not Specified

This cooling solution is specifically engineered for integration into high-performance computing environments, including server racks, workstation chassis, and industrial automation control panels. The YY12025M12S provides reliable airflow for heat dissipation in densely packed electronic assemblies, preventing thermal throttling in sensitive components. By utilizing the PWM functionality of the YY12025M12S, system integrators can achieve precise temperature regulation in telecommunications equipment and medical devices, ensuring continuous operation under varying load conditions.

Supplemental Images