RGD12025H12S SURMOUNT 12VDC 120x120x25mm 3-Wire Axial Fan Datasheet

SKU: 1013423296887

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/rgd12025h12s-surmount-12vdc-120x120x25mm-3-wire-axial-fan

Product Description

The SURMOUNT RGD12025H12S is a high-efficiency Axial Fan designed for demanding industrial thermal management. Utilizing advanced DC brushless motor technology combined with a robust Ball Bearing architecture, this unit ensures minimal friction and extended operational longevity compared to standard sleeve bearing alternatives. The aerodynamic impeller design optimizes static pressure capabilities while reducing turbulence-induced noise, effectively lowering thermal impedance in high-density enclosures. Its structural rigidity and precise balancing make it an ideal solution for critical cooling applications requiring consistent performance and reliability under continuous load.

Model Number: RGD12025H12S
Brand: SURMOUNT
Product Type: Axial Fan
Rated Voltage: 12VDC
Rated Current: 0.40 A
Power Consumption: 4.80 W
Bearing Type: Ball Bearing
Dimensions: 120x120x25mm
Termination: 3-Wire with Connector
Motor Type: DC Brushless

Frame Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Mounting Style: Flange Mount
Speed Control: Tachometer Signal (3-Wire)
Application Profile: High Airflow
Operating Temperature: -10°C to +70°C
Life Expectancy: 50,000 Hours @ 40°C

The RGD12025H12S is engineered for versatile integration into industrial and commercial electronic systems. Common deployment environments include server rack cooling, telecommunications cabinets, and power supply ventilation where reliable heat dissipation is paramount. The RGD12025H12S excels in CNC machinery control panels and medical instrumentation, ensuring components remain within safe operating temperature ranges. Its robust design also suits workstation cooling and automated equipment, providing consistent airflow for continuous duty cycles.

Supplemental Images