D1225C12B7ZPBE6 Nidec Servo 12VDC 120x120x25mm PWM Axial Fan Datasheet

Brand: Nidec

SKU: 770984735005

Category: Axial & Centrifugal Fans

Price: **$53.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/d1225c12b7zpbe6-nidec-servo-12vdc-120x120x25mm-pwm-axial-fan

Product Description

The Nidec Servo D1225C12B7ZPBE6 is a precision-engineered Axial Fan belonging to the renowned Gentle Typhoon series, designed for applications requiring high static pressure and low noise signatures. This unit utilizes a sophisticated DC motor architecture paired with a robust Double Ball Bearing system to ensure long-term operational stability and reduced thermal impedance in critical environments. The impeller features a specialized swept-blade design that optimizes aerodynamic efficiency, minimizing turbulence while maintaining structural rigidity at rotational speeds up to 3000 RPM. Integrated PWM control allows for dynamic speed modulation, ensuring the cooling profile adapts seamlessly to thermal load variations.

Model Number: D1225C12B7ZPBE6
Brand: Nidec Servo
Product Type: Axial Fan
Series: Gentle Typhoon
Rated Voltage: 12VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.25 A
Input Power: 3.0 W
Rated Speed: 3000 RPM

Bearing Type: Double Ball Bearing
Max. Air Flow: 83.0 CFM (141.0 m^3/h / 2.35 m^3/min)
Max. Static Pressure: 5.1 mmH_2O (50.0 Pa / 0.20 inH_2O)
Noise Level: 36.5 dB(A)
Dimensions: 120 x 120 x 25 mm
Weight: 200 g
Termination: 4-Wire Lead
Connector: Standard 4-Pin PWM
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (FG)
Operating Temperature: -10 to +70 °C
Life Expectancy: 100,000 Hours at 35°C
Material: PBT (UL94V-0)
Ingress Protection: IP40

The D1225C12B7ZPBE6 is engineered for high-density computing environments and industrial machinery where consistent airflow is paramount. Its high static pressure capabilities make it an ideal solution for forcing air through restrictive heatsinks, radiators, and dense server chassis. Integrators frequently deploy the D1225C12B7ZPBE6 in precision medical devices, telecommunications equipment, and high-performance workstations requiring reliable thermal management. The fan's PWM functionality ensures it operates efficiently within variable load systems, extending component lifespan in continuous-duty applications.

Supplemental Images


Nidec
NIDEC SERVO CORPORATION
D1225C12B7ZPBE6
DC12V 0.25A
E.P.
MADE IN VIETNAM
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