V80E12BS1ND5-08A03 Nidec 12VDC 80x80x38mm PWM Axial Fan Datasheet

Brand: Nidec

SKU: 847470820425

Category: Axial & Centrifugal Fans

Price: **$17.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/v80e12bs1nd5-08a03-nidec-12vdc-80x80x38mm-pwm-axial-fan

Product Description

The Nidec V80E12BS1ND5-08A03 is a high-performance DC Axial Fan engineered for mission-critical thermal management in high-density server environments. Utilizing Nidec's advanced motor technology and a precision-balanced impeller, this unit delivers exceptional static pressure capabilities required to overcome significant system impedance. The robust double ball bearing architecture ensures structural rigidity and prolonged operational lifespan under continuous high-speed rotation. Designed with a focus on thermal impedance reduction, the fan features a specialized housing that optimizes airflow dynamics, making it an ideal solution for cooling components with high heat dissipation requirements.

Model Number: V80E12BS1ND5-08A03
Brand: Nidec
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 4.54 A
Power Consumption: 54.48 W
Dimensions: 80 x 80 x 38 mm
Bearing Type: Double Ball Bearing
Termination: 4-Wire with Connector

Speed Control: PWM (Pulse Width Modulation)
Sensor: Tachometer Output (FG Signal)
Housing Material: Reinforced Plastic (UL94V-0)
Impeller Material: Reinforced Plastic (UL94V-0)
Operating Temperature: -10 to +70 Degrees Celsius
Mounting Orientation: Any
Application: Server / Industrial Cooling
Ingress Protection: Standard

The V80E12BS1ND5-08A03 is specifically designed for high-static pressure applications found in enterprise computing and telecommunications infrastructure. Commonly integrated into 1U and 2U server chassis, the V80E12BS1ND5-08A03 efficiently forces air through dense heatsinks and restricted airflow channels to maintain optimal operating temperatures for CPUs and GPUs. Additionally, this model is utilized in precision industrial equipment and power supply units where reliability and high volumetric airflow are paramount for system stability.

Supplemental Images