D05F-24PH Nidec 24VDC 50x50x15mm Centrifugal Blower Datasheet

Brand: Nidec

SKU: 914134127504

Category: Axial & Centrifugal Fans

Price: **$7.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/d05f-24ph-nidec-24vdc-50x50x15mm-centrifugal-blower

Product Description

The Nidec D05F-24PH is a DC Centrifugal Blower engineered for high-density thermal management applications requiring concentrated airflow. This unit features a precision bearing architecture designed to minimize friction and acoustic resonance while maintaining structural rigidity under continuous operation. The aerodynamic impeller design optimizes static pressure delivery, making it ideal for overcoming high thermal impedance in restricted enclosures. Utilizing advanced DC motor technology, the D05F-24PH ensures consistent rotational stability and energy efficiency. Its compact form factor allows for integration into space-constrained industrial environments without compromising cooling performance or reliability.

Model Number: D05F-24PH
Brand: Nidec
Product Type: DC Centrifugal Blower
Rated Voltage: 24VDC
Rated Current: 0.10 A
Power Consumption: 2.40 W
Dimensions: 50 x 50 x 15 mm
Airflow Direction: Lateral Intake/Outlet
Motor Technology: Brushless DC
Housing Material: Reinforced Plastic (UL94V-0)

Impeller Material: Reinforced Plastic (UL94V-0)
Termination: Lead Wires with Original Connector
Mounting Type: Flange Mount
Speed Control: Constant Speed
Operating Temperature: -10°C to +70°C
Application: Industrial Cooling, Electronic Ventilation
Condition: New Original

The D05F-24PH is frequently utilized in precision electronics and compact industrial machinery where directed cooling is essential. Common deployments include hotend cooling in 3D printing systems, small form-factor server cooling, and ventilation for telecommunications equipment. The D05F-24PH provides the necessary static pressure to force air through heatsinks and ducts in medical devices and CNC control modules, ensuring optimal operating temperatures for sensitive components.

Supplemental Images