

PVA050F12P-P01-AB Foxconn 12VDC 50x50x20mm Axial Fan Datasheet



Brand: Foxconn

SKU: [678620992984](#)

Category: Axial & Centrifugal Fans

Price: **\$23.99**

E-mail: sales@equipspares.com

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Product Page:

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Product Description

The Foxconn PVA050F12P-P01-AB is a high-efficiency DC Axial Fan engineered specifically for the rigorous thermal demands of enterprise server environments. Built with a precision Hydro Dynamic Bearing system, this unit ensures long-term reliability and reduced frictional wear, maintaining structural rigidity even at high rotational velocities. The aerodynamic impeller geometry is optimized to deliver substantial static pressure, effectively overcoming the high thermal impedance found in densely populated electronic chassis. Featuring 4-wire PWM control, the fan allows for dynamic speed modulation, enabling the system to adjust cooling performance in real-time response to thermal loads, thereby optimizing energy consumption and acoustic output.

Model Number: PVA050F12P-P01-AB

Brand: Foxconn

Product Type: DC Axial Fan

OEM Part Number: 0YD4TX (Dell)

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.30 A

Power Input: 3.60 W

Dimensions: 50 x 50 x 20 mm

Bearing Type: Hydro Dynamic Bearing

Max. Air Flow: 18.5 CFM (Approximate)

Max. Static Pressure: High Static Pressure Profile

Termination: 4-Wire / 5-Pin Dell Proprietary Connector

Speed Control: PWM (Pulse Width Modulation)

Wire Assignment: Black (-), Red (+), White (Tach), Blue (PWM)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Mounting Orientation: Any

Ingress Protection: IP4X

Certifications: CE, TUV, UL

The PVA050F12P-P01-AB is predominantly utilized in high-density computing hardware, serving as a direct replacement cooling solution for Dell PowerEdge servers and associated storage arrays. Its compact 50mm footprint makes the PVA050F12P-P01-AB ideal for 1U and 2U rackmount configurations, providing critical airflow to RAID cards, memory banks, and auxiliary chipsets where thermal dissipation is paramount for system stability.

Supplemental Images

