

# PVF050B05H-P01-AE Foxconn 5VDC 50mm DC Blower Datasheet



**Brand:** Foxconn

**SKU:** [1013628581342](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$21.99**

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

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Product Page: <https://www.equipspares.com/product/pvf050b05h-p01-ae-foxconn-5vdc-50mm-dc-blower>

## Product Description

Foxconn PVF050B05H-P01-AE is a 5VDC 50mm Blower optimized for localized thermal management in compact gaming consoles and docking stations. The centrifugal impeller design generates concentrated static pressure to overcome the high impedance of dense internal heat sinks, ensuring heat dissipation remains consistent during peak processing loads. By maintaining a 0.37A current draw, this 50mm 5VDC Blower balances power consumption with the airflow velocity required to prevent thermal throttling in the Nintendo Switch NS2 base. Integrated PWM Speed Control Blower functionality allows the system to modulate RPM based on real-time thermistor data, effectively minimizing acoustic resonance while preventing heat soak in the primary logic board.

Model Number: PVF050B05H-P01-AE

Brand: Foxconn

Product Type: Centrifugal Blower

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.37A

Power: 1.85W

Rated Speed: 5500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 4.8 CFM

Max. Static Pressure: 12.4 mmH<sub>2</sub>O

Dimensions: 50mm x 50mm x 15mm

Weight: 25g

Life Expectancy: 50,000 Hours at 40C

Speed Control: PWM Signal

Termination: 4-Pin Connector

Housing Material: UL94V-0 Thermoplastic PBT

Blade Material: UL94V-0 Thermoplastic PBT

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Operating Temperature: -10C to +70C

Storage Temperature: -40C to +75C

Certifications: CE, TUV, UL, RoHS

#### Applications & Industry Use Cases

1. Gaming Console Repair: Direct replacement fan for Nintendo Switch NS2 docking station thermal failures.
2. Telecom Edge Routing: Cooling compact SFP modules to prevent signal degradation from heat soak.
3. Industrial PLCs: Maintaining airflow in shallow-depth control modules to protect sensitive logic circuits.
4. 1U Server Blades: Providing penetrating airflow for localized hotspots in high-density rack environments.
5. Portable Medical Devices: Reliable heat extraction for handheld diagnostic tools requiring 5VDC power rails.

## Supplemental Images

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