PVB080C05L-P10-01 Foxconn 5VDC 0.65A 80mm PWM Blower Datasheet

Brand: Foxconn

SKU: 954187611685

Category: Axial & Centrifugal Fans

Price: **$23.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/pvb080c05l-p10-01-foxconn-5vdc-0-65a-80mm-pwm-blower

Product Description

Foxconn PVB080C05L-P10-01 is a 5VDC 80mm Blower optimized for high-density thermal management in compact computing systems. This centrifugal fan utilizes a DC brushless motor and precision bearing architecture to minimize thermal impedance within restricted enclosures. The aerodynamic impeller is engineered for high structural rigidity, ensuring stable operation at a rated current of 0.65A. Integrated 4-wire PWM control allows for dynamic RPM scaling based on real-time thermal loads, making it a critical replacement fan for maintaining the longevity of Intel NUC series hardware. Its design specifically addresses the high static pressure requirements needed to exhaust heat from dense fin-stack heat sinks.

Model Number: PVB080C05L-P10-01
Brand: Foxconn
Product Type: Centrifugal Blower Fan
Rated Voltage: 5 VDC
Voltage Range: 4.5 - 5.5 VDC
Rated Current: 0.65 A
Power: 3.25 W
Rated Speed: 4500 RPM
Bearing Type: Precision Bearing
Max. Air Flow: 12.50 CFM (21.2 m^3/h)

Max. Static Pressure: 14.20 mmH_2O (139.2 Pa)
Dimensions: 80 x 80 x 15 mm
Weight: 45 g
Life Expectancy: 50,000 hours at 40°C
Speed Control: 4-wire PWM
Termination: 4-pin connector
Housing Material: UL94V-0 Plastic
Blade Material: UL94V-0 Plastic
Operating Temperature: -10 to +70 C
Storage Temperature: -40 to +75 C
Protection Features: Locked Rotor Protection, Reverse Polarity Protection
Certifications: CE, TUV, UL

PVB080C05L-P10-01 Applications
1. Intel NUC11/NUC12 Mini-PCs: Direct replacement fan for Tiger Canyon and Wall Street Canyon series (NUC12WSH) to maintain low thermal impedance in 24/7 commercial operations.
2. Ultra-Compact Form Factor (UCFF) Systems: Ideal for overcoming high system impedance in restricted airflow environments where high static pressure is required for heat dissipation.
3. Industrial Embedded Controllers: Provides reliable active cooling for low-voltage logic boards requiring precise PWM speed modulation to balance noise and airflow.

Supplemental Images