PVA092K12N-P17-CB Foxconn 12VDC 92x38mm PWM Axial Fan Datasheet

Brand: Foxconn

SKU: 645087364180

Category: Axial & Centrifugal Fans

Price: **$17.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/pva092k12n-p17-cb-foxconn-12vdc-92x38mm-pwm-axial-fan

Product Description

The Foxconn PVA092K12N-P17-CB is a high-performance DC axial fan engineered for demanding thermal management applications requiring substantial volumetric airflow. Utilizing advanced brushless DC motor technology, this unit operates at a rated voltage of 12VDC with a significant current draw of 1.50A, indicating a design optimized for high static pressure and rapid heat exchange. The 92mm form factor features a specialized round frame housing designed to minimize structural vibration while maintaining structural rigidity under high-speed operation. Integrated PWM speed control allows for precise modulation of fan RPM in response to thermal loads, optimizing the balance between cooling efficiency and acoustic signature. This model is specifically constructed to reduce thermal impedance in high-density electronic enclosures and server environments.

Model Number: PVA092K12N-P17-CB
Brand: Foxconn
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 1.50 A
Input Power: 18.0 W
Rated Speed: 5500 RPM (Nominal)
Bearing Type: Dual Ball Bearing

Max. Air Flow: 120.5 CFM (204.7 m^3/h / 3.41 m^3/min)
Max. Static Pressure: 16.8 mmH_2O (164.7 Pa / 0.66 inH_2O)
Dimensions: 92 x 92 x 38 mm
Frame Style: Round Frame
Termination: 4-Wire Lead
Connector: Standard 4-Pin PWM
Speed Control: PWM (Pulse Width Modulation)
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 70,000 Hours @ 40°C
Ingress Protection: IP40

The PVA092K12N-P17-CB is frequently deployed in high-density server environments and industrial chassis where rapid heat dissipation is critical. Its high-static pressure profile makes the PVA092K12N-P17-CB ideal for forcing air through restrictive heatsinks in 2U or 4U rackmount servers, telecommunications equipment, and precision medical instrumentation requiring reliable thermal regulation.

Supplemental Images