PVA080F12H-P12-AB Foxconn 12VDC 80x80x25mm Axial Fan Datasheet

Brand: Foxconn

SKU: 1033379407250

Category: Axial & Centrifugal Fans

Price: **$13.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/pva080f12h-p12-ab-foxconn-12vdc-80x80x25mm-axial-fan

Product Description

The Foxconn PVA080F12H-P12-AB is a 12VDC 80x80x25mm Axial Fan optimized for high-density thermal management in compact enclosures. Engineered with a high-efficiency DC brushless motor and a specialized 5-blade aerodynamic profile, this unit minimizes thermal impedance while maintaining structural rigidity under continuous operation. The integration of a 4-wire PWM interface allows for precise closed-loop speed control, ensuring the fan operates at the optimal 0.36A current draw to balance acoustic output and airflow. This model is specifically designed to overcome the high static pressure requirements of modern server chassis and power supply units, providing reliable heat dissipation for critical electronic components.

Model Number: PVA080F12H-P12-AB
Brand: Foxconn
Product Type: Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.36 A
Power: 4.32 W
Rated Speed: 3800 RPM
Bearing Type: Hydro Dynamic Bearing
Max. Air Flow: 45.5 CFM (77.3 m^3/h)

Max. Static Pressure: 5.21 mmH_2O (51.1 Pa)
Dimensions: 80 x 80 x 25 mm
Weight: 85 g
Life Expectancy: 50,000 Hours at 40°C
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer / Frequency Generator
Number of Blades: 5
Housing Material: UL94V-0 Plastic
Blade Material: UL94V-0 Plastic
Termination: 4-Wire Lead Wires
Protection: Locked Rotor Protection, Reverse Polarity Protection
Operating Temperature: -10 to +70 °C

PVA080F12H-P12-AB Applications
1. 2U Rackmount Servers: The 80mm form factor and high static pressure curve make it an ideal replacement fan for maintaining laminar flow across tightly packed PCB components.
2. Industrial Power Supply Units (PSU): Optimized for high-duty cycle environments where 0.36A power efficiency and PWM thermal regulation are required to prevent component derating.
3. Network Switch Cabinets: Provides the necessary pressure to overcome internal system impedance in high-port-density networking hardware.

Supplemental Images


FOXCONN®
DC Brushless Fan
Model: PVA080F12H
-P13-AB
DC12V 0.36A
45CFM WP9JW-A00
E231557
MADE IN CHINA(N)