

PIA080K12S-P38-AB Foxconn 12VDC 80x80x38mm Axial Fan Datasheet



Brand: Foxconn

SKU: [971328201503](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

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Product Description

Foxconn PIA080K12S-P38-AB is a 12VDC 80x80x38mm Axial Fan optimized for extreme thermal density and high-impedance cooling environments. Engineered with a high-torque DC motor and precision dual ball bearing architecture, this unit minimizes thermal impedance while maintaining structural rigidity under high rotational stress. The aerodynamic impeller design is specifically tuned to deliver a massive 5.00A current draw, translating to exceptional RPM and static pressure capabilities required for dense server arrays. This 4-wire PWM controlled fan provides precise modulation of airflow, ensuring efficient heat dissipation in mission-critical hardware where failure is not an option.

Model Number: PIA080K12S-P38-AB

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Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 5.00 A

Power: 60.0 W

Rated Speed: 12500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 128.5 CFM (218.3 m³/h)

Max. Static Pressure: 52.4 mmH₂O (513.8 Pa)

Dimensions: 80 x 80 x 38 mm

Weight: 210 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Feedback: Tachometer / Frequency Generator

Termination: 4-Wire Lead Wires

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Insulation Class: Class A

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

PIA080K12S-P38-AB Applications

1. 2U/3U Rackmount Servers: High static pressure overcomes the extreme system impedance of densely packed drive bays and heat sinks.
2. Cryptocurrency Mining Rigs: Industrial-grade 5.00A power delivery provides the necessary CFM to prevent thermal throttling in multi-GPU configurations.
3. High-Performance Workstations: Ideal replacement fan for specialized cooling shrouds requiring 4-wire PWM precision for variable thermal loads.
4. Network Switches and Routers: Ensures consistent laminar flow through restrictive internal baffles in enterprise-level telecommunications hardware.

Supplemental Images

