

PVA080G12Q-P29-AE Foxconn 12VDC 80x80x25mm Axial Fan Datasheet



Brand: Foxconn

SKU: [841925058272](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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Product Page:

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Product Description

Foxconn PVA080G12Q-P29-AE is a 12VDC 80x80x25mm Axial Fan optimized for high-density thermal management in compact computing environments. This DC brushless fan utilizes advanced motor technology and a dual ball bearing architecture to ensure long-term structural rigidity and minimal thermal impedance. The aerodynamic impeller design is specifically engineered to overcome high system impedance in restricted airflow paths. Operating at a rated current of 0.65A, this unit delivers significant static pressure and airflow, making it an ideal solution for active CPU cooling and server chassis ventilation where precise thermal regulation is required via its integrated 4-wire PWM speed control interface.

Model Number: PVA080G12Q-P29-AE

Brand: Foxconn

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.65 A

Power: 7.8 W

Rated Speed: 4500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 58.5 CFM (99.4 m³/h)

Max. Static Pressure: 9.20 mmH₂O (90.2 Pa)

Dimensions: 80 x 80 x 25 mm

Weight: 85 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer / Frequency Generator

Termination: 4-Pin Connector / 4-Wire Lead

Housing Material: UL94V-0 Thermoplastic PBT

Blade Material: UL94V-0 Thermoplastic PBT

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, TUV, UL Recognized

PVA080G12Q-P29-AE Applications

1. 1U/2U Rackmount Servers: The high 0.65A power profile and 8025 form factor provide the necessary static pressure to drive air through densely packed PCB components and heat sinks.
2. Industrial Workstation CPU Cooling: Functions as a high-performance replacement fan for proprietary Foxconn thermal modules, utilizing PWM logic for dynamic acoustic and thermal balancing.
3. Telecommunications Switching Gear: Ideal for localized hot-spot mitigation where high-reliability ball bearings are required for 24/7 continuous operation.

Supplemental Images

