

PVA070G12Q-P27-BE Foxconn 12VDC 70x70x25mm Axial Fan Datasheet



Brand: Foxconn

SKU: 989672300515

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

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Product Description

Foxconn PVA070G12Q-P27-BE is a 12VDC 70x70x25mm Axial Fan optimized for high-density thermal management in compact enclosures. This DC brushless motor utilizes a dual ball bearing architecture to minimize friction and extend service life under continuous operation. The aerodynamic impeller design is engineered for high structural rigidity, reducing blade deformation at peak velocities to maintain consistent airflow. Operating at a rated current of 0.50A, this unit delivers significant static pressure to overcome internal system impedance. The integrated 4-wire PWM control allows for precise speed modulation, ensuring an optimal balance between acoustic output and thermal dissipation efficiency in variable load environments.

Model Number: PVA070G12Q-P27-BE

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Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.50 A

Power: 6.0 W

Rated Speed: 4500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 38.5 CFM (1.09 m³/min)

Max. Static Pressure: 6.85 mmH₂O (67.2 Pa)

Dimensions: 70 x 70 x 25 mm

Weight: 90 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (FG Signal)

Noise Level: 42.5 dBA

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 4-Pin Connector / 4-Wire Lead

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: UL, TUV, CE

PVA070G12Q-P27-BE Applications

1. 2U Rackmount Servers: The 70mm form factor and high static pressure are specifically engineered to pull air through dense memory banks and CPU heatsinks in restricted 2U chassis heights.
2. Industrial Workstations: Ideal as a replacement fan for proprietary workstation cooling modules where 4-wire PWM precision is required to match BIOS-controlled thermal profiles.
3. Network Switches and Routers: Provides the necessary structural rigidity and low-vibration operation required for maintaining the integrity of high-speed optical data transmissions in telecommunications hardware.

Supplemental Images

