

PIA070G12H Foxconn 12VDC 70x70x25mm 4-Wire Axial Fan Datasheet



Brand: Foxconn

SKU: 763318273201

Category: Axial & Centrifugal Fans

Price: \$14.99

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/pia070g12h-foxconn-12vdc-70x70x25mm-4-wire-axial-fan>

Product Description

The Foxconn PIA070G12H is a precision-engineered DC axial fan designed for high-density thermal management applications requiring substantial airflow and static pressure. Utilizing advanced DC brushless motor technology, this unit optimizes electromagnetic efficiency while minimizing thermal impedance within the stator assembly. The rotor features an aerodynamically optimized blade geometry that enhances laminar flow and reduces turbulence-induced noise at high rotational speeds. Constructed with a robust thermoplastic housing, the PIA070G12H ensures structural rigidity under thermal stress. Its 4-wire configuration supports Pulse Width Modulation (PWM) for precise speed regulation, making it an ideal component for dynamic cooling requirements in mission-critical hardware environments.

Model Number: PIA070G12H

Brand: Foxconn

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.90 A

Input Power: 10.8 W

Rated Speed: 6000 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 58.5 CFM (99.4 m³/h / 1.66 m³/min)
Max. Static Pressure: 10.2 mmH₂O (100 Pa / 0.40 inH₂O)
Dimensions: 70 x 70 x 25 mm
Weight: 85 g
Termination: 4-Wire Leads with Connector
Control Interface: PWM (Pulse Width Modulation)
Signal Output: Tachometer (RPM Sensor)
Housing Material: PBT Thermoplastic (UL94V-0)
Blade Material: PBT Thermoplastic (UL94V-0)
Insulation Class: Class A
Operating Temperature: -10 to +70 Degrees Celsius
Storage Temperature: -40 to +70 Degrees Celsius
Life Expectancy: 70,000 Hours at 40 Degrees Celsius
Mounting Orientation: Any

This high-performance cooling solution is specifically engineered for compact server chassis, rack-mounted telecommunications equipment, and industrial automation systems where space is limited but heat dissipation demands are high. The PIA070G12H excels in forced-air convection scenarios, effectively cooling CPU heatsinks and power supply units within dense electronic enclosures. Integrators frequently deploy the PIA070G12H in network switches and storage arrays to maintain optimal operating temperatures, ensuring system reliability and longevity in 24/7 operational environments.

Supplemental Images

