

PIA040F12L-R01-AB FOXCONN 12VDC 40x40x20mm 3-Wire Axial Fan Datasheet



Brand: Foxconn

SKU: [748477873487](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/pia040f12l-r01-ab-foxconn-12vdc-40x40x20mm-3-wire-axial-fan>

Product Description

The FOXCONN PIA040F12L-R01-AB is a Axial Fan specifically engineered for high-performance thermal management in compact electronic enclosures. This unit features a sophisticated brushless DC motor and a precision-engineered dual ball bearing architecture, ensuring extended operational longevity and minimal mechanical friction. The aerodynamic impeller is designed to optimize airflow while reducing thermal impedance within restricted air paths. Built with high-grade UL94V-0 rated materials, the PIA040F12L-R01-AB provides exceptional structural rigidity and resistance to environmental stressors. Its specialized 3-wire configuration allows for precise monitoring of rotational speed, making it an essential component for mission-critical hardware cooling.

Model Number: PIA040F12L-R01-AB

Brand: FOXCONN

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.20A

Power: 2.4W

Rated Speed: 7500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 9.20 CFM (15.63 m³/h / 0.26 m³/min)

Max. Static Pressure: 6.50 mmH₂O (63.74 Pa / 0.25 inH₂O)

Dimensions: 40x40x20mm

Weight: 35g

Life Expectancy: 70,000 Hours

Speed Control: Tachometer Output

Noise Level: 34.5 dBA

Termination: 3-Wire Lead with 4-Pin Connector

Housing Material: UL94V-0 Thermoplastic

Blade Material: UL94V-0 Thermoplastic

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Protection: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, TUV, UL, RoHS

The PIA040F12L-R01-AB is primarily utilized as a dedicated cooling solution for Huawei H3C network switches and high-density telecommunications equipment. Due to its robust 40x40x20mm design, the PIA040F12L-R01-AB is also suitable for integration into 1U server racks, industrial power supplies, and medical imaging devices. Its reliable performance ensures stable operating temperatures in CNC controllers and automated laboratory instruments where consistent airflow is required to maintain system integrity.

Supplemental Images

