

HA6015M12F-Z ONG HUA 12VDC 60x60x15mm 0.27A Axial Fan Datasheet



SKU: [942739472646](#)

Category: Axial & Centrifugal Fans

Price: **\$5.99**

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Product Page:

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Product Description

The ONG HUA HA6015M12F-Z is a precision-engineered DC Axial Fan designed for critical thermal management in compact electronic enclosures. Utilizing advanced DC brushless motor technology, this unit optimizes electromagnetic efficiency while minimizing cogging torque. The architecture incorporates a Fluid Dynamic Bearing (FDB) system, which significantly lowers the coefficient of friction compared to standard sleeve bearings, thereby enhancing rotational stability and extending operational lifespan. Its aerodynamic impeller design is calibrated to deliver high static pressure relative to its slim profile, ensuring effective heat dissipation through dense componentry while maintaining structural rigidity under thermal stress.

Model Number: HA6015M12F-Z

Brand: ONG HUA

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.27 A

Power Consumption: 3.24 W

Rated Speed: 4800 RPM

Bearing Type: Fluid Dynamic Bearing (FDB)

Max. Air Flow: 25.4 CFM (43.1 m³/h / 0.72 m³/min)

Max. Static Pressure: 4.2 mmH₂O (41.2 Pa / 0.16 inH₂O)

Dimensions: 60x60x15mm

Weight: 45 g

Life Expectancy: 50,000 Hours at 40°C

Noise Level: 34.5 dBA

Housing Material: Polybutylene Terephthalate (PBT) UL94V-0

Impeller Material: Polybutylene Terephthalate (PBT) UL94V-0

Termination: 2-Wire Lead (Red +, Black -)

Wire Length: 300mm

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Motor Protection: Impedance Protected

Insulation Resistance: >10M Ohm at 500VDC

Dielectric Strength: 500VAC for 1 Minute

This cooling solution is specifically engineered for integration into compact power supply units (PSU) and small form-factor server chassis where space is at a premium. The HA6015M12F-Z provides reliable airflow for network switches, industrial automation controllers, and telecommunications equipment requiring continuous thermal regulation. By maintaining optimal operating temperatures, the HA6015M12F-Z prevents thermal throttling in sensitive electronics, making it an ideal choice for replacement in legacy hardware or implementation in new OEM designs for medical instrumentation and DVR systems.

Supplemental Images

