

HA6015H12B-Z Hong Hua 12VDC 60x60x15mm Axial Cooling Fan Datasheet



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Category: Axial & Centrifugal Fans

Price: **\$12.99**

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Product Description

The Hong Hua HA6015H12B-Z is a precision-engineered DC axial fan designed for demanding thermal management applications requiring compact form factors and reliable airflow. Utilizing advanced DC brushless motor technology, this unit ensures consistent rotational stability and optimized torque delivery under load. The internal architecture features a robust double ball bearing system, which significantly reduces friction coefficients and enhances long-term durability compared to standard sleeve alternatives, making it suitable for continuous operation. Its aerodynamic impeller design minimizes turbulence, thereby lowering noise generation while maintaining high static pressure capabilities. Constructed with high-grade thermoplastic materials, the frame offers superior structural rigidity and resistance to thermal deformation, making it an ideal solution for maintaining low thermal impedance in high-density electronic enclosures.

Model Number: HA6015H12B-Z

Brand: Hong Hua

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Operating Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.38 A

Input Power: 4.56 W

Rated Speed: 5500 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 28.5 CFM (48.4 m³/h / 0.81 m³/min)

Max. Static Pressure: 5.84 mmH₂O (57.2 Pa / 0.23 inH₂O)

Noise Level: 42.5 dB(A)

Dimensions: 60x60x15mm

Weight: 45 g

Life Expectancy: 70,000 Hours at 40°C

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

Housing Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Safety Certifications: CE, RoHS

The HA6015H12B-Z is frequently integrated into compact power supply units and industrial automation equipment where space constraints require a slim 15mm profile without compromising airflow. Engineers rely on the HA6015H12B-Z for cooling telecommunications chassis, network switches, and small form-factor server appliances. Its high-speed operation makes it suitable for forced convection in CNC control modules and medical instrumentation, ensuring critical components remain within safe operating temperature ranges during continuous duty cycles.

Supplemental Images

