

HA9215SH12FD-F00 HONGHUA 12VDC 92x92x15mm PWM Axial Fan Datasheet



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Category: Axial & Centrifugal Fans

Price: **\$12.99**

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Product Description

The HONGHUA HA9215SH12FD-F00 is a specialized slim-profile Axial Fan designed for space-constrained thermal management applications requiring high volumetric efficiency. Engineered with a precision Hydraulic Bearing system, this unit minimizes frictional coefficients while maintaining structural rigidity under high rotational velocities. The 12VDC motor integrates Pulse Width Modulation (PWM) control, allowing for dynamic speed regulation between 500 and 2800 RPM to optimize the acoustic-thermal ratio. Its aerodynamic impeller geometry delivers substantial airflow relative to its 15mm form factor, effectively reducing thermal impedance in compact chassis environments. This component ensures reliable heat dissipation with enhanced operational longevity suitable for high-density electronic assemblies.

Model Number: HA9215SH12FD-F00

Brand: HONGHUA

Product Type: Axial Fan

Rated Voltage: 12 VDC

Rated Current: 0.46 A

Power Consumption: 5.52 W

Rated Speed: 500 - 2800 RPM (PWM Controlled)

Max. Air Flow: 50 CFM (84.95 m³/h)

Max. Static Pressure: 3.0 mmH₂O (29.42 Pa)

Noise Level: 30 - 38 dB(A)

Bearing Type: Hydraulic Bearing

Dimensions: 92 x 92 x 15 mm

Weight: Approx. 45 g

Termination: 4-Pin PWM Connector

Speed Control: PWM (Pulse Width Modulation)

Operating Voltage Range: 10.8 - 13.2 VDC

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Mounting Hole Distance: 82.5 x 82.5 mm

Application: Computer Chassis, CPU Cooling, Server Racks

The HA9215SH12FD-F00 is specifically engineered for Small Form Factor (SFF) computing environments and low-profile CPU cooling solutions where vertical clearance is restricted. Its slim 15mm depth allows for seamless integration into Mini-ITX chassis, HTPC builds, and dense server racks requiring efficient airflow without obstructing adjacent components. Integrators frequently utilize the HA9215SH12FD-F00 in custom electronic enclosures and compact radiator setups, leveraging its PWM capability to balance cooling performance with acoustic requirements in noise-sensitive media centers and precision instrumentation.

Supplemental Images

