

5010 GUNCAIZHU 5VDC 50x50x10mm Hydraulic Axial Fan Datasheet



SKU: [764013370269](#)

Category: Axial & Centrifugal Fans

Price: **\$3.99**

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<https://www.equipspares.com/product/5010-guncaizhu-5vdc-50x50x10mm-hydraulic-axial-fan>

Product Description

The GUNCAIZHU 5010 is a compact DC Brushless Axial Fan engineered for precision thermal management in space-constrained electronic assemblies. Utilizing advanced hydraulic bearing architecture, this unit optimizes rotor stability while minimizing frictional noise and extending operational service life compared to standard sleeve bearing alternatives. The aerodynamic impeller design ensures efficient airflow delivery, effectively reducing thermal impedance within high-density enclosures. Constructed with a focus on structural rigidity, the 5010 maintains consistent performance under continuous operation. Its integrated DC brushless motor technology provides reliable commutation, making it an ideal solution for maintaining optimal operating temperatures in sensitive circuitry and compact industrial instrumentation.

Model Number: 5010

Brand: GUNCAIZHU

Product Type: DC Brushless Axial Fan

Rated Voltage: 5 VDC

Voltage Range: Not Specified

Rated Current: 0.18 A

Power: 0.90 W

Rated Speed: 4000 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: Not Specified

Max. Static Pressure: Not Specified

Dimensions: 50 x 50 x 10 mm

Weight: Not Specified

Life Expectancy: Not Specified

Termination: 2-Wire, XH2.54 2P Terminal

Wire Length: 275 mm

Mounting Orientation: Any

The 5010 is specifically designed for integration into compact electronic devices where space is at a premium but reliable cooling is essential. Common applications include small form factor (SFF) PC builds, 3D printer hotend cooling, and chipset cooling within DVR systems or set-top boxes. The 5010 also serves effectively in portable instrumentation and handheld medical devices, ensuring critical components remain within safe thermal limits. Its hydraulic bearing system makes it suitable for noise-sensitive environments such as home media centers and office workstations.

Supplemental Images

