

YBH5512C05 YCCCFAN 5VDC 55x12mm Centrifugal Blower Fan Datasheet



SKU: [1009931924509](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

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Product Description

The YCCCFAN YBH5512C05 is a specialized DC Centrifugal Blower engineered for high-density thermal management applications requiring concentrated airflow. Utilizing advanced brushless DC motor technology, this unit delivers significant static pressure through a side-discharge configuration, making it ideal for overcoming high system impedance in compact enclosures. The aerodynamic volute design optimizes airflow efficiency while maintaining structural rigidity under high-speed operation. Designed for precision cooling, it effectively dissipates heat in optical projection systems and additive manufacturing equipment, ensuring component longevity and operational stability through reduced thermal impedance.

Model Number: YBH5512C05

Brand: YCCCFAN

Product Type: Centrifugal Blower

Variant Code: 40516B5

Rated Voltage: 5V DC

Rated Current: 0.60 A

Power Consumption: 3.0 W

Dimensions: 55 x 55 x 12 mm

Motor Type: Brushless DC

Airflow Direction: Side Outlet (Centrifugal)

Bearing Type: Precision Bearing System

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Mounting: Flange Mount

Cooling Type: Active Air Cooling

Application Profile: Projector / 3D Printer

The YBH5512C05 is extensively utilized in compact consumer electronics requiring active cooling with limited vertical clearance. Specifically calibrated for optical devices, the YBH5512C05 serves as a critical cooling component for the Fengmi Xiaoming projector series, preventing thermal throttling of the light source and internal electronics. Additionally, this blower is suitable for hotend cooling in 3D printers, small form-factor PCs, and portable instrumentation where directed airflow is necessary to maintain optimal operating temperatures.

Supplemental Images

