

SF5020RH12-08E Toshiba 12VDC 50x50x20mm Projector Blower Fan Datasheet



Brand: Toshiba

SKU: 942564557259

Category: Axial & Centrifugal Fans

Price: \$13.99

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Product Page:

<https://www.equipspares.com/product/sf5020rh12-08e-toshiba-12vdc-50x50x20mm-projector-blower-fan>

Product Description

The Toshiba SF5020RH12-08E is a specialized centrifugal blower fan engineered for high-static pressure applications within compact electronic enclosures. Utilizing advanced DC brushless motor technology, this unit delivers concentrated airflow to overcome high system impedance, a critical requirement for optical devices and dense circuitry. The aerodynamic design of the turbine impeller optimizes air delivery efficiency while maintaining structural rigidity under thermal stress. Designed with a robust bearing architecture, the fan ensures reliable operation and consistent rotational stability, effectively managing thermal impedance in sensitive equipment. Its compact form factor allows for seamless integration into space-constrained environments requiring directed cooling solutions.

Model Number: SF5020RH12-08E

Brand: Toshiba

Product Type: Centrifugal Blower / Turbine Fan

Rated Voltage: 12VDC

Rated Current: 0.21 A

Power Consumption: 2.52 W

Dimensions: 50mm x 50mm x 20mm

Bearing Type: Precision Bearing System

Motor Type: DC Brushless

Airflow Direction: Lateral / 90 Degrees

Termination: 3-Wire Lead

Housing Material: Thermoplastic UL94V-0

Blade Material: Thermoplastic UL94V-0

Application: Projector Cooling, Optical Equipment

Mounting: Flange Mount

The SF5020RH12-08E is extensively deployed in multimedia projection systems, where it serves as a primary cooling solution for high-intensity lamps and internal optical components. Due to its high static pressure capabilities, the SF5020RH12-08E is also ideal for DIY electronic modifications, small form-factor server cooling, and specialized industrial instrumentation requiring focused air delivery to prevent thermal throttling.

Supplemental Images

