RFA1504 RISUN 5VDC 15x15x4mm Micro Axial Cooling Fan Datasheet

Brand: RISUN

SKU: 749370010851

Category: Axial & Centrifugal Fans

Price: **$11.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/rfa1504-risun-5vdc-15x15x4mm-micro-axial-cooling-fan

Product Description

The RISUN RFA1504 is a specialized Micro Axial Fan designed for ultra-compact thermal management in high-density electronic assemblies. Engineered with a precision DC brushless motor and an optimized sleeve bearing architecture, this unit delivers reliable airflow within a miniature footprint, effectively lowering thermal impedance in restricted spaces. The aerodynamic impeller design maximizes static pressure relative to its size, ensuring consistent cooling performance while maintaining structural rigidity. This component is ideal for applications requiring efficient heat dissipation where physical space is at an absolute premium.

Model Number: RFA1504
Brand: RISUN
Product Type: Micro Axial Fan
Rated Voltage: 5VDC
Voltage Range: 4.5 - 5.5 VDC
Rated Current: 0.06 A
Power Consumption: 0.30 W
Rated Speed: 12000 RPM
Bearing Type: Sleeve Bearing
Max. Air Flow: 0.45 CFM (0.76 m^3/h)
Max. Static Pressure: 1.85 mmH_2O (18.14 Pa)

Dimensions: 15 x 15 x 4 mm
Weight: 1.3 g
Life Expectancy: 30,000 Hours at 25°C
Noise Level: 21.0 dBA
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Termination: Lead Wires (Red +, Black -)
Operating Temperature: -10°C to +60°C
Storage Temperature: -40°C to +70°C
Motor Type: DC Brushless
Mounting Orientation: Any

The RFA1504 is specifically engineered for next-generation portable electronics and miniature computing devices. Common deployment scenarios include active cooling for VR/AR headsets, micro-projectors, handheld gas detectors, and compact sensor arrays. The RFA1504 is also frequently utilized in Raspberry Pi clusters and specialized medical instrumentation where maintaining a low profile is critical for system integration.

Supplemental Images