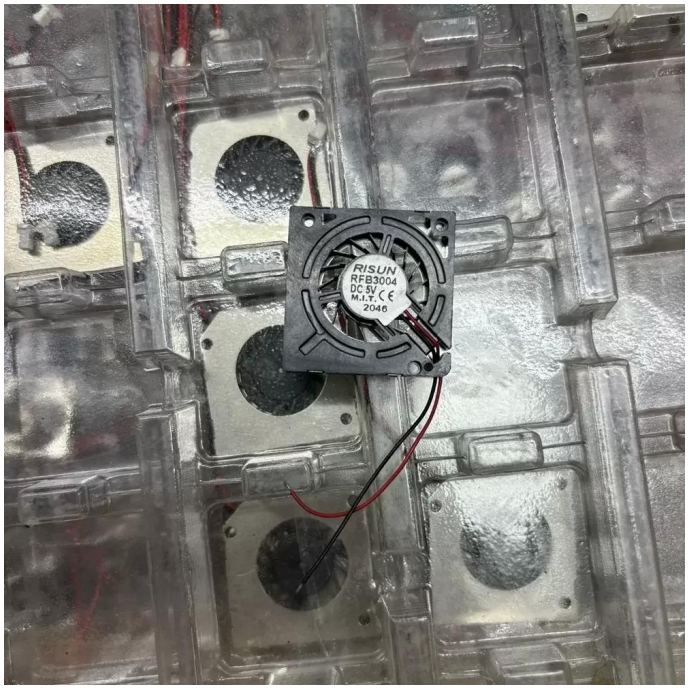
RFB3004 RISUN 5VDC 30x30x4mm Ultra-thin Blower Fan Datasheet



Brand: RISUN

SKU: 843710047323

Category: Axial & Centrifugal Fans

Price: **$13.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page: https://www.equipspares.com/product/rfb3004-risun-5vdc-30x30x4mm-ultra-thin-blower-fan

Product Description

The RISUN RFB3004 is a precision-engineered micro Blower Fan designed for ultra-compact thermal management applications where vertical clearance is critically limited. Featuring a specialized 4mm ultra-thin profile, this unit utilizes advanced DC brushless motor technology to deliver consistent airflow with minimal structural vibration. The aerodynamic impeller geometry is optimized for side-blowing operations, ensuring efficient heat dissipation in tightly integrated electronic assemblies. Constructed with high-grade thermoplastic materials to maintain structural rigidity under thermal stress, the RFB3004 offers a reliable solution for portable electronics and miniature instrumentation requiring low-profile active cooling. Its bearing architecture is calibrated for low-noise operation while maintaining operational longevity in restricted environments.

Model Number: RFB3004
Brand: RISUN
Product Type: DC Blower Fan
Rated Voltage: 5 VDC
Voltage Range: 3.3 - 5.5 VDC
Rated Current: 0.12 A
Power Consumption: 0.6 W
Rated Speed: 8500 RPM
Bearing Type: Sleeve Bearing
Max. Air Flow: 0.65 CFM (1.1 m^3/h / 0.018 m^3/min)

Max. Static Pressure: 3.5 mmH_2O (34.3 Pa / 0.14 inH_2O)
Dimensions: 30 x 30 x 4 mm
Weight: 3.5 g
Life Expectancy: 30,000 Hours at 25°C
Noise Level: 28 dBA
Housing Material: Thermoplastic LCP (UL94V-0)
Blade Material: Thermoplastic LCP (UL94V-0)
Termination: Lead Wires (Red +, Black -)
Operating Temperature: -10°C to +60°C
Storage Temperature: -20°C to +70°C
Mounting Orientation: Any
Motor Protection: Impedance Protected

The RFB3004 is specifically engineered for next-generation portable electronics and ultra-slim devices where internal volume is at a premium. Common integration environments include VR/AR headsets, micro-projectors, and handheld mobile computing devices requiring active cooling without adding bulk. The RFB3004 is also frequently utilized in compact sensor arrays and IoT edge devices to prevent thermal throttling. By leveraging the side-blowing architecture of the RFB3004, engineers can direct airflow precisely over heatsinks in restricted enclosures, making it ideal for medical instrumentation and miniature robotics.

Supplemental Images