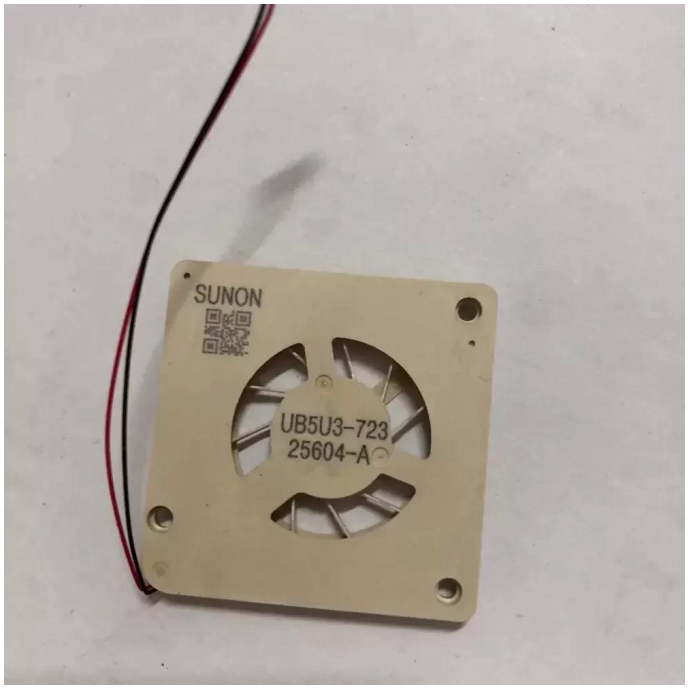
UB5U3-723 SUNON 3VDC 30x30x3mm Ultra-thin Micro Blower Datasheet



Brand: SUNON

SKU: 1009783846989

Category: Axial & Centrifugal Fans

Price: **$19.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ub5u3-723-sunon-3vdc-30x30x3mm-ultra-thin-micro-blower

Product Description

The SUNON UB5U3-723 is a micro-scale DC blower engineered for high-density thermal management in ultra-thin electronic assemblies. Utilizing Sunon proprietary Vapo bearing architecture, this unit minimizes friction and acoustic resonance while maintaining structural rigidity in a 3mm profile. The aerodynamic impeller design is optimized to reduce thermal impedance in constrained environments, ensuring consistent laminar airflow. Its brushless DC motor technology provides precise rotational stability, making it an essential component for portable devices where space-constrained heat dissipation is critical for maintaining component longevity and system reliability.

Model Number: UB5U3-723
Brand: SUNON
Product Type: Blower
Rated Voltage: 3VDC
Voltage Range: 2.0 - 3.5 VDC
Rated Current: 0.08 A
Power: 0.24 W
Rated Speed: 9500 RPM
Bearing Type: Vapo Bearing
Max. Air Flow: 0.63 CFM (1.07 m^3/h / 0.018 m^3/min)
Max. Static Pressure: 3.44 mmH_2O (33.74 Pa / 0.135 inH_2O)

Dimensions: 30x30x3mm
Weight: 2.3 g
Life Expectancy: 30000 Hours at 40°C
Noise Level: 39.2 dBA
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Termination: Lead wires
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Insulation Resistance: 10M ohm at 500VDC
Dielectric Strength: 500VAC for 1 minute
Protection Features: Auto Restart, Polarity Protection

The UB5U3-723 is specifically designed for integration into ultra-portable consumer electronics and precision medical diagnostic equipment. Engineers frequently specify the UB5U3-723 for thermal regulation in VR/AR headsets, micro-projectors, and handheld smart devices where traditional cooling solutions fail to meet height restrictions. Its compact footprint also makes it ideal for localized cooling in tablet computers and high-performance mobile communication modules.

Supplemental Images