DB3004H05S OEM 5VDC 30x30x4mm Micro Axial Fan Datasheet

SKU: 844293789633

Category: Axial & Centrifugal Fans

Price: **$9.99**

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Product Page: https://www.equipspares.com/product/db3004h05s-oem-5vdc-30x30x4mm-micro-axial-fan

Product Description

The OEM DB3004H05S is a precision-engineered Micro Axial Fan designed for space-constrained electronic applications requiring efficient thermal management. This unit features advanced MagLev (Magnetic Levitation) bearing technology, which eliminates physical contact between the shaft and bearing, significantly reducing friction, noise, and vibration while extending operational lifespan. With an ultra-low profile of just 4mm, the fan delivers high-performance airflow relative to its compact footprint. The rotor is balanced for stability, ensuring consistent thermal impedance reduction in sensitive circuitry. Its structural rigidity and DC brushless motor architecture make it an ideal solution for high-density integration where reliability is paramount.

Model Number: DB3004H05S
Brand: OEM
Product Type: Micro Axial Fan
Rated Voltage: 5 VDC
Rated Current: 0.15 A
Power Consumption: 0.75 W
Dimensions: 30 x 30 x 4 mm
Bearing Type: MagLev (Magnetic Levitation)
Termination: 2-Wire Lead
Rated Speed: 9000 RPM (Typical for 0.15A class)
Max. Air Flow: 1.2 CFM (Estimated)

Max. Static Pressure: 2.5 mmH_2O (Estimated)
Noise Level: 26 dBA
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Motor Type: DC Brushless
Mounting Orientation: Any
Operating Temperature: -10°C to +70°C
Life Expectancy: 50,000 Hours @ 40°C
Weight: 4.5 g

The DB3004H05S is specifically optimized for ultra-compact electronic devices where internal clearance is critical. Common applications include cooling chipsets in Raspberry Pi clusters, VR/AR goggles, handheld GPS units, and miniature projectors. The DB3004H05S also serves effectively in active cooling solutions for M.2 SSD heatsinks and portable medical instrumentation, providing necessary airflow to prevent thermal throttling without adding significant bulk or weight to the assembly.

Supplemental Images