

KSB0405HB-BH1X Delta 5VDC 40x40x10mm Blower Fan Datasheet



Brand: Delta

SKU: 839501627241

Category: Axial & Centrifugal Fans

Price: **\$15.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ksb0405hb-bh1x-delta-5vdc-40x40x10mm-blower-fan>

Product Description

Delta KSB0405HB-BH1X is a 5VDC 40x40x10mm Blower optimized for high-density thermal management in space-constrained mobile computing environments. This DC centrifugal blower utilizes advanced motor technology to deliver 0.44A of driving current, ensuring efficient heat dissipation through a specialized impeller design that minimizes thermal impedance. The structural rigidity of the UL94V-0 plastic housing prevents resonance at high RPM, while the precision bearing architecture ensures long-term reliability. Engineered for low-profile integration, this 2.2W unit provides the necessary static pressure to overcome the airflow resistance of dense copper heat sinks found in modern ultrabooks and industrial embedded systems.

Model Number: KSB0405HB-BH1X

Brand: Delta Electronics

Product Type: Centrifugal Blower Fan

Rated Voltage: 5 VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.44 A

Power: 2.2 W

Rated Speed: 5500 RPM

Bearing Type: Hydraulic / Advanced Sleeve

Max. Air Flow: 3.20 CFM

Max. Static Pressure: 12.40 mmH₂O

Dimensions: 40 x 40 x 10 mm

Weight: 25 g

Life Expectancy: 30,000 Hours at 40C

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 3-Wire Lead / 3-Pin Connector

Operating Temperature: -10 to +70 C

Storage Temperature: -40 to +75 C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

KSB0405HB-BH1X Applications

1. Ultra-Thin Laptop Thermal Modules: Ideal replacement fan for 6033B0028301 and V000260010 series, specifically designed to overcome the high system impedance of compact internal heat pipes.
2. Embedded Industrial PC Cooling: Provides targeted spot cooling for high-TDP processors in 1U or sub-1U chassis where vertical clearance is restricted to 10mm.
3. Portable Medical Diagnostic Equipment: Low-vibration centrifugal design ensures stable airflow for sensitive optical or sensor-based handheld devices." devices.

Supplemental Images

