

BAPA0705R5HY033 Microsoft 5VDC 70x70x5mm Blower Datasheet



SKU: 985958543868

Category: Axial & Centrifugal Fans

Price: \$25.99

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Product Page:

<https://www.equipspares.com/product/bapa0705r5hy033-microsoft-5vdc-70x70x5mm-blower>

Product Description

Microsoft BAPA0705R5HY033 is a 5VDC 70x70x5mm Blower optimized for high-density thermal management in ultra-thin mobile computing architectures. Engineered specifically for the Microsoft Surface Laptop 7, this centrifugal fan utilizes advanced hydraulic bearing technology to minimize mechanical friction and acoustic resonance. The aerodynamic impeller is designed to overcome high internal system impedance within restricted chassis volumes, ensuring efficient heat dissipation from the CPU/GPU heat pipe assembly. Operating at 0.50A, this unit provides the necessary static pressure to maintain thermal equilibrium during peak processing loads while maintaining structural rigidity in a slim form factor.

Model Number: BAPA0705R5HY033

Brand: Microsoft

Product Type: Centrifugal Blower

Rated Voltage: 5 VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.50 A

Power: 2.5 W

Bearing Type: Hydraulic Bearing

Dimensions: 70 x 70 x 5 mm

Part Number: 13N4-17B2011

Housing Material: UL94V-0 Plastic / Metal Shield

Blade Material: UL94V-0 PBT

Termination: 4-Pin Connector

Speed Control: PWM (Pulse Width Modulation)

Protection: Locked Rotor Protection, Reverse Polarity Protection

Mounting Orientation: Horizontal or Vertical

BAPA0705R5HY033 Applications

1. Microsoft Surface Laptop 7 Thermal Repair: Direct replacement fan designed to match the specific mounting points and airflow vectors required for 13N4-17B2011 cooling modules.
2. Ultra-Thin Mobile Workstations: Ideal for overcoming high system impedance in devices with a Z-height under 10mm where traditional axial fans cannot provide sufficient static pressure.
3. Tablet and Convertible PC Maintenance: Optimized for low-vibration operation in optical-grade electronics requiring precise thermal regulation without mechanical interference.

Supplemental Images

