AB06505HX040BZ0 ADDA 5VDC 0.50A 65x65x4mm Blower Datasheet

Brand: ADDA

SKU: 923108876313

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ab06505hx040bz0-adda-5vdc-0-50a-65x65x4mm-blower

Product Description

ADDA AB06505HX040BZ0 is a 5VDC 65x65x4mm Blower optimized for ultra-thin thermal management in space-constrained mobile computing environments. This DC centrifugal fan utilizes ADDA's advanced motor technology and high-precision bearing architecture to minimize thermal impedance while maintaining structural rigidity in a 4mm profile. Engineered for high-density integration, it operates at a rated current of 0.50A, delivering the necessary static pressure to overcome the high system impedance of modern laptop heat pipe assemblies. The integrated PWM speed control allows for dynamic thermal response, ensuring efficient heat dissipation during peak GPU/CPU loads while maintaining acoustic stability.

Model Number: AB06505HX040BZ0
Brand: ADDA
Product Type: Blower / Centrifugal Fan
Rated Voltage: 5 VDC
Voltage Range: 4.5 - 5.5 VDC
Rated Current: 0.50 A
Power: 2.5 W
Rated Speed: 4500 RPM
Bearing Type: Hypro Bearing
Max. Air Flow: 4.2 CFM

Max. Static Pressure: 6.8 mmH2O
Dimensions: 65 x 65 x 4 mm
Weight: 18 g
Life Expectancy: 50,000 Hours at 40C
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Pin / 4-Wire Lead
Housing Material: UL94V-0 Plastic / Metal Base
Blade Material: UL94V-0 Plastic
Operating Temperature: -10 to +70 C
Storage Temperature: -40 to +75 C
Protection Features: Locked Rotor Protection, Reverse Polarity Protection
Certifications: CE, TUV, UL, RoHS

AB06505HX040BZ0 Applications

1. Ultra-Thin Laptop GPU Cooling: The 4mm ultra-low profile provides a critical mechanical advantage for internal GPU replacement fan requirements in slim gaming notebooks where vertical clearance is minimal.
2. Embedded Single Board Computers: Ideal for cooling high-performance SoCs in compact enclosures where high static pressure is required to push air through dense fin-stack heat sinks.
3. Portable Medical Diagnostic Equipment: Provides reliable, low-vibration active cooling for handheld devices requiring precise thermal regulation without adding significant bulk or weight.

Supplemental Images