

B9606AFHNF2100TN ELEPEAK 5VDC 0.5A 96mm Blower Datasheet



Brand: ELEPEAK

SKU: 989109016396

Category: Axial & Centrifugal Fans

Price: \$27.99

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page: <https://www.equipspares.com/product/b9606afhnf2100tn-elepeak-5vdc-0-5a-96mm-blower>

Product Description

ELEPEAK B9606AFHNF2100TN is a 5VDC 96mm Blower optimized for high-density thermal management in ultra-compact mobile workstations. This centrifugal cooling solution features a precision-engineered impeller designed to minimize thermal impedance while maintaining structural rigidity under high rotational velocities. Utilizing a high-efficiency DC motor drawing 0.5A, the unit delivers concentrated laminar airflow to overcome the significant static pressure found in modern heat pipe arrays. The aerodynamic housing is specifically tuned to reduce acoustic turbulence, ensuring stable 5VDC operation and reliable heat dissipation for critical processing components during peak computational loads.

Model Number: B9606AFHNF2100TN

Brand: ELEPEAK

Product Type: Blower (Centrifugal Fan)

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.5A

Power: 2.5W

Rated Speed: High Speed

Bearing Type: Fluid Dynamic Bearing

Max. Air Flow: Optimized for Chassis Airflow

Max. Static Pressure: High Static Pressure for Heat Sinks

Dimensions: 96mm x 96mm x 6mm

Weight: 45g

Life Expectancy: 40,000 Hours at 40C

Housing Material: UL94V-0 Reinforced Plastic

Blade Material: UL94V-0 Thermoplastic

Termination: 4-Pin Connector (PWM Support)

Operating Temperature: -10C to +70C

Storage Temperature: -40C to +75C

Protection Features: Locked Rotor Protection, Auto-Restart

Certifications: CE, RoHS Compliant

Compatible Part Numbers: 5F10Z58246, 5F10Z58247, 5F10Z58248

B9606AFHNF2100TN Applications

1. ThinkPad L14/L15 Gen 3 & 4 Thermal Repair: Direct replacement fan engineered to match the specific pressure-to-flow curve required for Lenovo's proprietary heat sink geometry.
2. Ultra-Thin Laptop Chassis: Low-profile centrifugal design provides the necessary mechanical advantage to move air through restricted internal clearances where axial fans would stall due to high system impedance.

Supplemental Images

