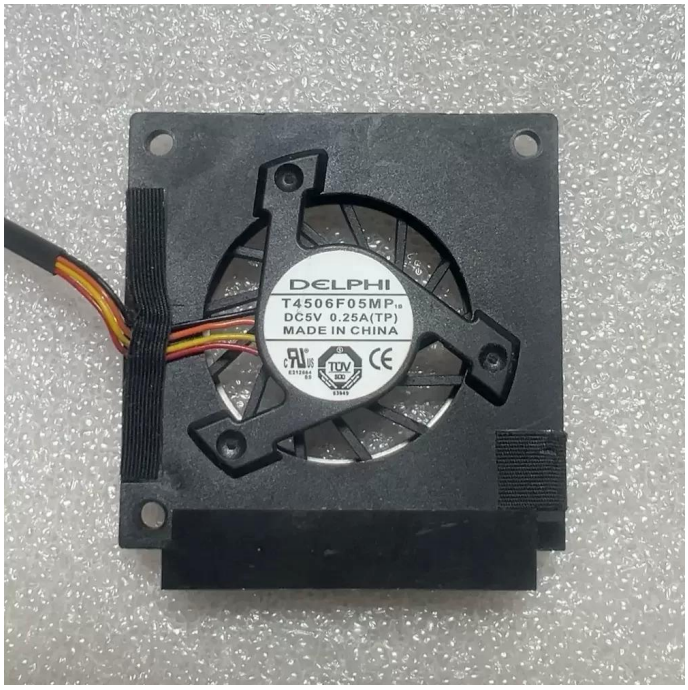
T4506F05MP Delphi 5VDC 45x45x6mm Centrifugal Blower Datasheet



SKU: 992541829228

Category: Axial & Centrifugal Fans

Price: **$15.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/t4506f05mp-delphi-5vdc-45x45x6mm-centrifugal-blower

Product Description

The Delphi T4506F05MP is a 5VDC 45x45x6mm Blower optimized for high-density thermal management in ultra-thin computing environments and compact electronic enclosures. Engineered with a precision DC brushless motor and a specialized centrifugal impeller, this unit minimizes thermal impedance within restricted airflow paths. Its ultra-thin 6mm profile ensures structural rigidity while maintaining efficient heat dissipation for sensitive components. Operating at a rated current of 0.25A, the T4506F05MP delivers the consistent static pressure required to overcome the internal resistance of modern laptop chassis. This turbine-style fan is designed for longevity and low-vibration performance, making it an essential component for maintaining optimal operating temperatures in space-constrained hardware.

Model Number: T4506F05MP
Brand: Delphi
Product Type: Centrifugal Blower
Rated Voltage: 5VDC
Voltage Range: 4.5 - 5.5 VDC
Rated Current: 0.25A
Power: 1.25W
Rated Speed: 4800 RPM
Bearing Type: Sleeve Bearing

Max. Air Flow: 3.10 CFM (5.27 m^3/h / 0.09 m^3/min)
Max. Static Pressure: 4.85 mmH_2O (47.56 Pa / 0.19 inH_2O)
Dimensions: 45x45x6mm
Weight: 12g
Life Expectancy: 30,000 Hours at 40°C
Housing Material: UL94V-0 Plastic
Blade Material: UL94V-0 Plastic
Termination: 3-Pin Lead Wires
Operating Temperature: -10°C to +65°C
Storage Temperature: -40°C to +75°C
Protection: Locked Rotor Protection

[T4506F05MP Applications]
1. Ultra-thin Laptop Thermal Modules: Specifically engineered as a replacement fan for ASUS laptop chassis where the 6mm Z-height is critical for maintaining the slim form factor while ensuring heat pipe cooling efficiency.
2. Compact DIY Embedded Systems: Ideal for cooling micro-controllers or small-scale NUC-style builds where high static pressure is needed to push air through dense internal components in restricted volumes.

Supplemental Images


DELPHI
T4506F05MP1B
DC5V 0.25A(TP)
MADE IN CHINA
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SS
TÜV
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