

DFS531005PL0T FCN 5VDC TM1802 GPU Centrifugal Blower Datasheet



Brand: FCN

SKU: [777320387756](#)

Category: Axial & Centrifugal Fans

Price: **\$22.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/dfs531005pl0t-fcn-5vdc-tm1802-gpu-centrifugal-blower>

Product Description

FCN DFS531005PL0T is a 5VDC centrifugal blower optimized for high-density thermal management in ultra-thin laptop architectures, specifically targeting GPU cooling requirements. Engineered with a precision DC motor and advanced bearing architecture, this replacement fan ensures optimal structural rigidity and minimal thermal impedance within confined chassis spaces. The aerodynamic impeller design maximizes static pressure to overcome high system impedance typical in compact electronics. Operating at a rated current of 0.5A and delivering 2.5W of power, the DFS531005PL0T provides reliable, low-vibration heat dissipation for Xiaomi 15.6 MI Ruby TM1802 and MX110 systems, ensuring sustained peak performance during intensive computational workloads.

Model Number: DFS531005PL0T

Brand: FCN

Product Type: Centrifugal Blower

Rated Voltage: 5 VDC

Rated Current: 0.5 A

Power: 2.5 W

System Compatibility: Xiaomi 15.6 MI Ruby TM1802-AA/AC/AD, TM1709

GPU Compatibility: MX110

Motor Type: DC Brushless

Termination: 4-Wire Connector

Housing Material: High-Temperature Polymer

Mounting Orientation: Any

DFS531005PL0T Applications

1. Ultra-Thin Laptop GPU Cooling: Delivers targeted high static pressure to overcome severe system impedance in Xiaomi 15.6 MI Ruby chassis, preventing MX110 thermal throttling.
2. Compact Mobile Workstations: Low-vibration bearing architecture ensures acoustic compliance and mechanical stability during sustained high-RPM operation in portable computing environments.
3. Direct OEM Replacement: Exact mechanical and electrical matching for TM1802-AA/AC/AD series, restoring original thermal impedance profiles and extending hardware lifespan.

Supplemental Images

