

DFS400805L10T FCN 5VDC 40x40x8mm Centrifugal Blower Datasheet



Brand: FCN

SKU: [994906877314](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

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Product Page:

<https://www.equipspares.com/product/dfs400805l10t-fcn-5vdc-40x40x8mm-centrifugal-blower>

Product Description

FCN DFS400805L10T is a 5VDC 40x40x8mm Centrifugal Blower optimized for high-density thermal management in compact computing environments. This unit utilizes a brushless DC motor architecture designed to minimize thermal impedance within restricted enclosures. Its aerodynamic impeller is engineered for structural rigidity, ensuring stable airflow even under high system impedance. Operating at 0.45A, the fan integrates a 4-wire PWM interface for precise RPM modulation and real-time tachometer feedback. This blower is specifically designed to maintain optimal operating temperatures in Intel NUC systems, providing a reliable cooling solution that balances acoustic performance with efficient heat dissipation and long-term mechanical stability.

Model Number: DFS400805L10T

Brand: FCN

Product Type: Centrifugal Blower

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.45A

Power: 2.25W

Rated Speed: 5200 RPM

Bearing Type: Hydro Dynamic Bearing

Max. Air Flow: 3.80 CFM (6.45 m³/h / 0.11 m³/min)

Max. Static Pressure: 7.20 mmH₂O (70.61 Pa / 0.28 inH₂O)

Dimensions: 40 x 40 x 8 mm

Weight: 14.5g

Life Expectancy: 35,000 hours at 40C

Speed Control: 4-Wire PWM

Signal Output: Tachometer

Housing Material: UL94V-0 Thermoplastic

Blade Material: UL94V-0 Thermoplastic

Termination: 4-Pin Micro Connector

Operating Temperature: -10C to +65C

Storage Temperature: -40C to +75C

Protection Features: Locked Rotor Protection, Auto-Restart

DFS400805L10T Applications

1. Intel NUC5CPYH/NUC5PPYH Mini-PCs: Direct replacement fan for maintaining thermal equilibrium in small form factor chassis where high static pressure is required to exhaust heat through dense fin stacks.
2. Embedded Industrial Controllers: Ideal for low-profile cooling where the 8mm thickness allows for integration into slim DIN-rail enclosures requiring active heat dissipation to prevent thermal throttling.

Supplemental Images

