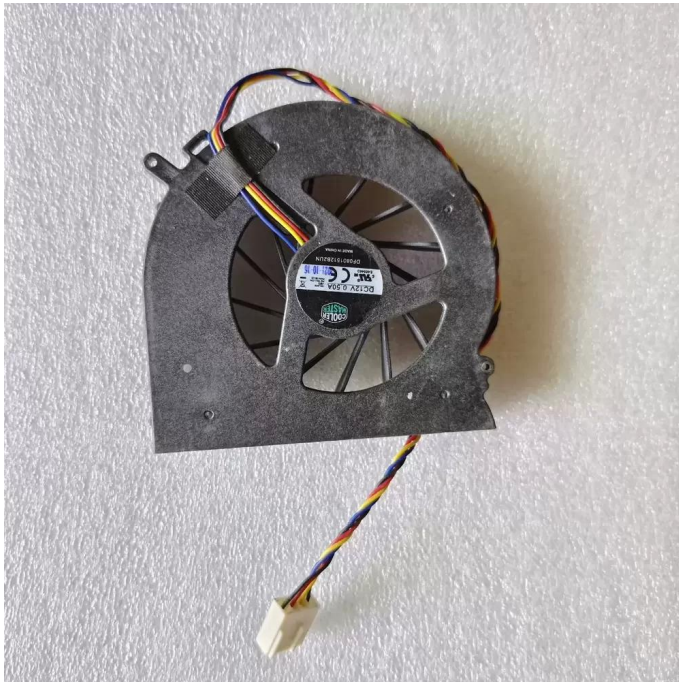


DF0801512B2UN Cooler Master 12VDC 80x80x15mm Axial Fan Datasheet



Brand: Cooler Master

SKU: [727566234297](#)

Category: Axial & Centrifugal Fans

Price: **\$25.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/df0801512b2un-cooler-master-12vdc-80x80x15mm-axial-fan>

Product Description

Cooler Master DF0801512B2UN is a 12VDC 80x80x15mm Axial Fan optimized for high-density thermal management in compact enclosures where space is at a premium. This unit features a high-efficiency DC brushless motor and a precision dual ball bearing architecture designed to minimize thermal impedance and maximize structural rigidity under continuous operation. Operating at a rated current of 0.50A, it delivers significant static pressure to overcome internal resistance in cramped chassis. The integrated 4-wire PWM control allows for dynamic speed adjustment, reaching up to 3800 RPM to balance acoustic profiles with cooling demands. It serves as a critical component for maintaining system stability in industrial and all-in-one computing environments.

Model Number: DF0801512B2UN

Brand: Cooler Master

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.50 A

Power: 6.0 W

Rated Speed: 3800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 35.4 CFM (60.1 m³/h / 1.00 m³/min)

Max. Static Pressure: 4.52 mmH₂O (44.3 Pa / 0.18 inH₂O)

Dimensions: 80 x 80 x 15 mm

Weight: 65 g

Life Expectancy: 70,000 hours at 40°C

Speed Control: 4-wire PWM

Noise Level: 36.5 dB(A)

Housing/Blade Material: PBT Plastic (UL94V-0)

Termination: 4-pin Lead Wires

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, TUV, UL

DF0801512B2UN Applications

1. All-in-One (AIO) Desktop Systems: Low-profile 15mm depth allows for integration into slim chassis like the Tsinghua Tongfang V53, serving as a high-reliability replacement fan.
2. Industrial PC (IPC) Enclosures: High static pressure capability ensures effective heat dissipation across densely packed internal components and small-form-factor motherboards.
3. 1U/2U Server Rack Cooling: PWM-driven speed control enables precise thermal regulation in noise-sensitive edge computing environments where overcoming system impedance is critical.

Supplemental Images

