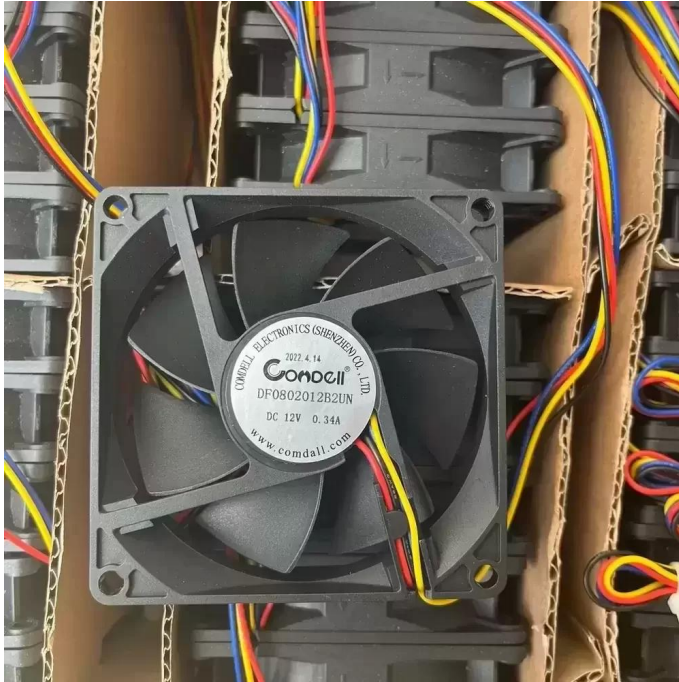


DF0802012B2UN Comdell 12VDC 80x80x20mm PWM Axial Fan Datasheet



SKU: 805123187286

Category: Axial & Centrifugal Fans

Price: \$13.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/df0802012b2un-comdell-12vdc-80x80x20mm-pwm-axial-fan>

Product Description

The Comdell DF0802012B2UN is a precision-engineered DC axial fan designed for critical thermal management applications requiring dynamic airflow control. Utilizing a robust dual ball bearing architecture, this unit ensures exceptional longevity and structural rigidity, significantly reducing frictional wear during continuous operation. The aerodynamic impeller design is optimized to deliver high static pressure while maintaining acoustic stability across its variable speed range of 2000 to 4800 RPM. Integrated with a 4-wire PWM interface, it allows for precise speed modulation based on real-time thermal loads, optimizing energy efficiency and minimizing noise generation. This 80mm cooling solution effectively mitigates thermal impedance in high-density electronic enclosures, ensuring reliable system performance under varying operational stresses.

Model Number: DF0802012B2UN

Brand: Comdell

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Rated Current: 0.34 A

Power Consumption: 4.08 W

Rated Speed: 2000 - 4800 RPM

Bearing Type: Dual Ball Bearing

Dimensions: 80 x 80 x 20 mm

Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire Lead
Connector Type: 4-Pin Motherboard Connector (Small)
Wire Length: 20 cm
Mounting Hole Distance: Standard 80mm Frame
Housing Material: Industrial Grade Thermoplastic
Blade Material: Industrial Grade Thermoplastic
Operating Voltage Range: Standard 12V System
Application Profile: Variable Speed Cooling

The DF0802012B2UN is specifically engineered for integration into compact computing environments and industrial electronics where space and thermal efficiency are paramount. Common deployment scenarios include mid-tower server chassis, workstation CPU cooling, and proprietary power supply units requiring active ventilation. The DF0802012B2UN excels in systems utilizing motherboard-controlled fan curves, such as medical instrumentation and automated CNC control panels, providing reliable airflow that scales with the device's processing load.

Supplemental Images

