

DA02510B12MR Yimeng 12VDC 0.06A 25x25x10mm Axial Fan Datasheet



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Category: Axial & Centrifugal Fans

Price: **\$12.99**

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Product Description

The Yimeng DA02510B12MR is a compact DC Axial Fan engineered for precision thermal management in space-constrained electronic assemblies. Operating at a rated voltage of 12VDC with a low current draw of 0.06A, this unit features a robust Dual Ball Bearing architecture. This bearing system significantly enhances structural rigidity and operational longevity compared to sleeve bearing alternatives, making it suitable for continuous duty cycles. The aerodynamic impeller design is optimized to deliver consistent airflow while minimizing acoustic noise. Integrated 3-wire PWM (Pulse Width Modulation) speed control allows for dynamic thermal impedance adjustment, ensuring the fan operates at optimal efficiency based on real-time system temperature requirements.

Model Number: DA02510B12MR

Brand: Yimeng

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Rated Current: 0.06 A

Power: 0.72 W

Bearing Type: Dual Ball Bearing

Dimensions: 25 x 25 x 10 mm

Speed Control: 3-Wire PWM

Termination: Lead Wires

Mounting Orientation: Any

The DA02510B12MR is specifically designed for integration into compact hardware where internal space is at a premium. Typical applications include chipset cooling in embedded systems, ventilation for small form-factor DVRs, and thermal regulation in handheld medical devices. The DA02510B12MR is also frequently utilized in 3D printer hotend cooling assemblies and precision instrumentation, providing reliable airflow to prevent component overheating in dense circuit environments.

Supplemental Images

