

MGA4012YB-W28 Magic 12VDC 40x40x28mm 4-Pin Axial Fan Datasheet



Brand: Protechnic

SKU: 805664734803

Category: Axial & Centrifugal Fans

Price: \$10.99

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Product Page:

<https://www.equipspares.com/product/mga4012yb-w28-magic-12vdc-40x40x28mm-4-pin-axial-fan>

Product Description

The Magic MGA4012YB-W28 is a high-performance DC axial fan designed to deliver critical thermal management in compact, high-density electronic enclosures. Engineered with a robust dual ball bearing architecture, this unit offers superior structural rigidity and longevity compared to sleeve bearing alternatives, making it ideal for continuous duty cycles. The 40x40x28mm form factor is optimized for high static pressure generation, allowing it to overcome significant thermal impedance in tightly packed chassis such as power amplifiers and 1U server racks. Featuring a 4-pin interface, the fan supports advanced speed control and monitoring, ensuring precise airflow modulation to maintain optimal operating temperatures while managing acoustic output.

Model Number: MGA4012YB-W28

Brand: Magic (Yongli)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Rated Current: 0.38 A

Power: 4.56 W

Dimensions: 40 x 40 x 28 mm

Bearing Type: Dual Ball Bearing

Termination: 4-Pin Connector

Speed Control: PWM / Tachometer Support

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Mounting Orientation: Any

Ingress Protection: Standard IP Rating

Operating Temperature: -10°C to +70°C

Application: Amplifier Cooling, Server Racks

The MGA4012YB-W28 is specifically deployed in scenarios requiring reliable forced air convection within restricted spatial envelopes. Its primary application includes the thermal regulation of high-fidelity power amplifiers, where the MGA4012YB-W28 efficiently dissipates heat from power transistors to prevent thermal throttling. Furthermore, its high static pressure capabilities make it suitable for network switches, industrial automation controllers, and medical instrumentation where consistent airflow is paramount for system stability.

Supplemental Images

