MGT4012VB-W28 Magic 12VDC 40x40x12mm PWM Axial Fan Datasheet

Brand: Protechnic

SKU: 1007924476825

Category: Axial & Centrifugal Fans

Price: **$6.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/mgt4012vb-w28-magic-12vdc-40x40x12mm-pwm-axial-fan

Product Description

The Magic Technology MGT4012VB-W28 is a high-performance Axial Fan engineered for compact industrial and server applications requiring aggressive thermal management. Utilizing an advanced DC brushless motor architecture paired with a reinforced Dual Ball Bearing system, this unit ensures exceptional rotational stability and longevity even under continuous high-speed operation. The aerodynamic blade design minimizes turbulence while maximizing static pressure, making it ideal for overcoming the high thermal impedance found in dense electronic enclosures. The fan features integrated PWM speed control, allowing for precise modulation of airflow based on real-time thermal demands, optimizing both energy efficiency and acoustic performance.

Model Number: MGT4012VB-W28
Brand: Magic Technology
Product Type: Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.2 VDC
Rated Current: 0.24 A
Power: 2.88 W
Rated Speed: 15000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 12.5 CFM (21.2 m^3/h / 0.35 m^3/min)

Max. Static Pressure: 9.2 mmH_2O (90.2 Pa / 0.36 inH_2O)
Dimensions: 40x40x12 mm
Weight: 25 g
Life Expectancy: 70,000 Hours @ 40°C
Speed Control: 4-Wire PWM
Housing Material: PBT (UL94V-0)
Termination: 4-Wire Lead
Operating Temperature: -10 to 70 °C
Storage Temperature: -40 to 70 °C

The MGT4012VB-W28 is specifically designed for deployment in space-constrained environments such as 1U server racks, network switches, and compact medical instrumentation. Its high rotational speed and static pressure capabilities make the MGT4012VB-W28 an excellent choice for cooling high-density components like chipsets, power supply units, and FPGA modules where directed airflow is critical for system reliability.

Supplemental Images