

AMGT3828ZB-W28 Magic 12VDC 38x38x28mm PWM Axial Fan Datasheet



Brand: Protechnic

SKU: [801341426767](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/amgt3828zb-w28-magic-12vdc-38x38x28mm-pwm-axial-fan>

Product Description

The Magic AMGT3828ZB-W28 is a compact high-density Axial Fan designed for mission-critical thermal management applications. Utilizing advanced DC motor technology combined with a precision Ball Bearing architecture, this unit delivers exceptional airflow concentration and longevity. The thermoplastic frame offers superior structural rigidity, significantly minimizing vibration artifacts during high-RPM operations typical in server cooling environments. Engineered to overcome high system impedance, the aerodynamic impeller design maximizes static pressure generation. This ensures low thermal impedance and rapid heat dissipation within restricted enclosures. The unit features a 4-wire interface with PWM capability for precise speed regulation and active thermal control.

Model Number: AMGT3828ZB-W28

Brand: Magic (MGT)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 1.00 A

Power Input: 12.00 W

Rated Speed: 18500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 26.5 CFM (45.0 m³/h / 0.75 m³/min)
Max. Static Pressure: 58.4 mmH₂O (572 Pa / 2.30 inH₂O)
Dimensions: 38 x 38 x 28 mm
Weight: 48 g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: PWM (Pulse Width Modulation)
Ingress Protection: IP40
Noise Level: 56.0 dB(A)
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Termination: 4-Wire (Red +, Black -, Yellow Tach, Blue PWM)
Operating Temperature: -10°C to +70°C
Mounting Orientation: Any

Designed primarily for high-impedance environments, the AMGT3828ZB-W28 excels in 1U server racks and telecommunication enclosures where static pressure is paramount. Its compact form factor allows the AMGT3828ZB-W28 to integrate seamlessly into modular power supplies, proprietary server chassis, and industrial automation equipment requiring forced convection cooling in tight spaces.

Supplemental Images

