

MGT7012HB-W20 MAGIC 12VDC 70x70x20mm 0.27A Axial Fan Datasheet



SKU: [1045863567465](#)

Category: Axial & Centrifugal Fans

Price: **\$22.14**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mgt7012hb-w20-magic-12vdc-70x70x20mm-0-27a-axial-fan>

Product Description

MAGIC MGT7012HB-W20 is a 70 x 70 x 20 mm axial DC fan operating at 12 VDC with a 0.27 A current rating. The unit features a high-performance dual ball bearing system and a 4-wire interface supporting PWM speed control and tachometer output. Constructed with a PBT thermoplastic frame and impeller rated to UL 94V-0 standards, it utilizes a brushless DC motor architecture to deliver high static pressure and airflow. The internal circuitry includes polarity protection and auto-restart functionality.

MGT7012HB-W20 Specifications

Model: MGT7012HB-W20

Brand: MAGIC (Protechnic Electric)

Category: DC Axial Fan

Frame Size: 70 x 70 x 20 mm

Rated Voltage: 12 VDC

Operating Voltage Range: 10.2 to 13.8 VDC

Rated Current: 0.27 A

Input Power: 3.24 W

Rated Speed: 4500 RPM

Maximum Airflow: 32.5 CFM

Static Pressure: 5.82 mmH₂O

Noise Level: 41.5 dBA

Bearing Type: Dual Ball Bearing

Interface: 4-wire (Red: +, Black: -, Yellow: FG, Blue: PWM)

Material: PBT Plastic (UL 94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Life Expectancy: 70,000 hours at 40 °C

Weight: 65 g

MGT7012HB-W20 Applications

Primary applications include integration into server chassis, industrial laser power supplies, and telecommunications networking equipment. Deployed within CNC controller cabinets and medical diagnostic imaging systems requiring precise thermal management via PWM modulation.

Supplemental Images

