MGT7012HR-O25C Protechnic 12V 0.22A 70x70x25mm DC Axial Fan Datasheet

Brand: Protechnic

SKU: 1045865583231

Category: Axial & Centrifugal Fans

Price: **$16.57**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/mgt7012hr-o25c-protechnic-12v-0-22a-70x70x25mm-dc-axial-fan

Product Description

Protechnic MGT7012HR-O25C is a 70 x 70 x 25 mm DC axial fan featuring a 12 VDC operating voltage, 0.22 A current consumption, and 4200 RPM rotational speed. The unit is constructed with a glass-fiber reinforced PBT plastic frame and impeller, both rated to UL 94V-0 flame retardancy standards. It utilizes the proprietary Magic Bearing system, a specialized hydraulic mechanism designed for reduced friction and extended operational life. The internal motor is a brushless DC design with auto-restart and polarity protection, delivering a maximum airflow of 32.5 CFM and a static pressure of 4.8 mmH2O. The electrical interface is provided via a 3-wire lead configuration, including a dedicated tachometer (FG) signal for real-time monitoring of the fan's rotational frequency.

MGT7012HR-O25C Specifications
Model Number: MGT7012HR-O25C
Brand: Protechnic Electric
Dimensions: 70 x 70 x 25 mm
Rated Voltage: 12 VDC
Operating Voltage Range: 10.8 to 13.2 VDC
Rated Current: 0.22 A
Input Power: 2.64 W
Rated Speed: 4200 RPM

Maximum Airflow: 32.5 CFM
Static Pressure: 4.8 mmH2O
Noise Level: 37.5 dBA
Bearing Type: Magic Bearing (Hydraulic)
Frame Material: PBT Thermoplastic (UL 94V-0)
Impeller Material: PBT Thermoplastic (UL 94V-0)
Termination: 3-wire (Red/Black/Yellow)
Signal Output: FG (Frequency Generator/Tachometer)
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +75 °C
Life Expectancy: 50,000 hours at 40 °C
Weight: 78 g

MGT7012HR-O25C Applications

Primary applications include integration into industrial PC chassis, server rack cooling modules, and high-density power supply units. Deployed within CNC controller cabinets and telecommunications switching equipment for thermal regulation of internal logic boards and power components.

Supplemental Images


Protechnic
MGT7012HR-O25
DC12V 0.22A series C
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MADE IN CHINA