

MGT3012YR-O10 Protechnic 12VDC 0.07A 30x30x10mm Axial Fan Datasheet



Brand: Protechnic

SKU: [873632538532](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mgt3012yr-o10-protechnic-12vdc-0-07a-30x30x10mm-axial-fan>

Product Description

Protechnic MGT3012YR-O10 is a 12VDC 30x30x10mm Axial Fan optimized for localized thermal management in high-density electronic enclosures. Utilizing advanced motor technology and a precision bearing architecture, this unit effectively reduces thermal impedance while maintaining high structural rigidity under continuous operation. The fan operates at a rated current of 0.07A, delivering efficient airflow with a 3-wire configuration that includes a tachometer signal for real-time speed monitoring. Engineered for reliability, it serves as a critical replacement fan for compact systems requiring a balance of 8000 RPM performance and low acoustic signatures in a miniature 30mm footprint.

Model Number: MGT3012YR-O10

Brand: Protechnic

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.07A

Power: 0.84W

Rated Speed: 8000 RPM

Bearing Type: Magic Bearing

Max. Air Flow: 3.5 CFM (5.95 m³/h)

Max. Static Pressure: 3.2 mmH₂O (31.4 Pa)

Dimensions: 30x30x10mm

Weight: 8.5g

Life Expectancy: 50,000 Hours at 40C

Speed Control: Tachometer (FG) Signal

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Termination: 3 Lead Wires

Operating Temperature: -10C to +70C

Storage Temperature: -40C to +70C

Protection: Locked Rotor Protection, Polarity Protection

Certifications: CE, TUV, UL

MGT3012YR-O10 Applications

1. 1U Network Switches and Routers: High static pressure capability to overcome internal system impedance in slim rackmount chassis.
2. Portable Medical Diagnostic Equipment: Compact 30mm form factor provides critical component cooling for sensitive mobile instrumentation.
3. CCTV and DVR Enclosures: Reliable replacement fan for maintaining thermal stability in 24/7 surveillance hardware.
4. Embedded Industrial PC (IPC): Low-vibration operation ensures signal integrity for precision logic controllers in rugged environments.

Supplemental Images

