MGA3012YS-O10 Protechnic 12VDC 30x30x10mm Axial Fan Datasheet

Brand: Protechnic

SKU: 806773282091

Category: Axial & Centrifugal Fans

Price: **$13.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/mga3012ys-o10-protechnic-12vdc-30x30x10mm-axial-fan

Product Description

The Protechnic MGA3012YS-O10 is a specialized DC Axial Fan designed to deliver critical airflow in space-constrained electronic environments. Engineered with a precision-balanced DC motor and a durable dual ball bearing architecture, this unit minimizes frictional losses while maximizing operational longevity under continuous thermal loads. The aerodynamic impeller geometry is optimized to lower thermal impedance within compact enclosures, providing efficient heat dissipation. Its housing is constructed for structural rigidity, ensuring reliability in demanding industrial applications such as power inverters and miniature drive systems.

Model Number: MGA3012YS-O10
Brand: Protechnic Magic
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.07 A
Input Power: 0.84 W
Rated Speed: 9000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 3.5 CFM (0.099 m^3/min)
Max. Static Pressure: 0.18 inH_2O (45 Pa)

Dimensions: 30 x 30 x 10 mm
Noise Level: 26.0 dB(A)
Frame Material: PBT Thermoplastic (UL94V-0)
Blade Material: PBT Thermoplastic (UL94V-0)
Life Expectancy: 70,000 Hours at 40°C
Operating Temperature: -10°C to +70°C
Termination: Lead Wires
Ingress Protection: IP40
Net Weight: 8.5 g

The MGA3012YS-O10 is specifically calibrated for active cooling in compact power conversion equipment, making it a primary choice for industrial inverters and variable frequency drives. Its compact 30mm footprint allows for integration into tight component arrays found in rack-mount servers and telecommunications hardware where thermal density is high. Reliability is paramount in these sectors, and the MGA3012YS-O10 delivers consistent performance to prevent thermal throttling in critical medical instrumentation and precision control units.

Supplemental Images