MGA4012YB-A20 MAGIC 12VDC 40x40x20mm 2-Wire Axial Fan Datasheet

Brand: Protechnic

SKU: 735039066820

Category: Axial & Centrifugal Fans

Price: **$11.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/mga4012yb-a20-magic-12vdc-40x40x20mm-2-wire-axial-fan

Product Description

The MAGIC MGA4012YB-A20 is a compact axial fan engineered by Protechnic Electric, featuring a robust DC motor architecture optimized for thermal management in high-density electronics. Utilizing a dual ball bearing system, this unit ensures exceptional longevity and structural rigidity, significantly reducing frictional wear under continuous operation. The aerodynamic impeller design minimizes turbulence while maximizing static pressure, making it an ideal solution for overcoming high thermal impedance in restricted enclosures. Its PBT housing meets UL94V-0 flammability standards, ensuring safety and reliability in industrial environments.

Model Number: MGA4012YB-A20
Brand: MAGIC (Protechnic)
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.16 A
Power Consumption: 1.92 W
Rated Speed: 7500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 9.2 CFM (15.6 m^3/h / 0.26 m^3/min)
Max. Static Pressure: 6.8 mmH_2O (66.6 Pa / 0.27 inH_2O)

Dimensions: 40 x 40 x 20 mm
Weight: 25 g
Noise Level: 32.0 dB(A)
Life Expectancy: 70,000 Hours at 40°C
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Termination: 2 Lead Wires (Red +, Black -)
Wire Length: 300 mm
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Safety Certifications: UL, CE, TUV
Protection: Impedance Protected, Reverse Polarity

Designed for precision cooling, the MGA4012YB-A20 is frequently integrated into compact server racks, network switches, and industrial power supply units where space is at a premium. Its high static pressure capabilities make the MGA4012YB-A20 suitable for cooling specific hotspots in medical diagnostic equipment, CNC control modules, and telecommunications hardware, ensuring stable operation temperatures for critical components.

Supplemental Images