MGA8012LR-A20 MAGIC 12VDC 80x80x25mm Axial Fan Datasheet

Brand: Protechnic

SKU: 805563559595

Category: Axial & Centrifugal Fans

Price: **$14.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page: https://www.equipspares.com/product/mga8012lr-a20-magic-12vdc-80x80x25mm-axial-fan

Product Description

The MAGIC MGA8012LR-A20 is a precision-engineered DC Axial Fan designed for efficient thermal management in compact electronic enclosures and industrial chassis. Utilizing advanced motor technology and a durable bearing architecture, this unit ensures consistent airflow delivery while maintaining low acoustic signatures. The aerodynamic blade geometry is optimized to minimize turbulence and enhance static pressure capabilities, making it suitable for high-impedance environments. Constructed with robust materials to withstand thermal stress, the MGA8012LR-A20 provides reliable operation and structural rigidity, ensuring long-term performance stability in industrial and commercial cooling applications.

Model Number: MGA8012LR-A20
Brand: MAGIC (Magic Precision Inc.)
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.15 A
Power: 1.80 W
Rated Speed: 2600 RPM
Bearing Type: Long Life Sleeve
Max. Air Flow: 34.5 CFM (58.6 m^3/h / 0.97 m^3/min)
Max. Static Pressure: 3.1 mmH_2O (30.4 Pa / 0.12 inH_2O)

Dimensions: 80x80x25mm
Weight: 86 g
Life Expectancy: 30,000 Hours @ 40°C
Noise Level: 29.5 dB(A)
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Termination: 2-Wire Leads
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Safety Certifications: CE, UL, TUV

The MGA8012LR-A20 is specifically engineered for thermal regulation in chassis cabinets, server racks, and telecommunication equipment where space is limited but airflow is critical. This cooling solution effectively dissipates heat in power supply units and industrial automation controllers, preventing thermal throttling. Integrators frequently select the MGA8012LR-A20 for network switches and medical instrumentation due to its balance of airflow performance and acoustic profile, ensuring critical components remain within safe operating temperature ranges.

Supplemental Images