

MGT4012UB-R20 Magic 12VDC 40x40x20mm 13600RPM Axial Fan Datasheet



Brand: Protechnic

SKU: [784936976138](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/mgt4012ub-r20-magic-12vdc-40x40x20mm-13600rpm-axial-fan>

Product Description

The Magic MGT4012UB-R20 is a high-velocity axial cooling fan engineered for compact electronic environments requiring aggressive thermal dissipation. Featuring a robust Double Ball Bearing architecture, this unit is designed to withstand continuous high-speed operation while minimizing frictional wear and thermal impedance. The aerodynamic impeller geometry is optimized to generate significant static pressure, allowing it to effectively penetrate high-density component clusters found in power electronics. Driven by a precision 12VDC motor, the MGT4012UB-R20 maintains exceptional structural rigidity and rotational stability, ensuring reliable airflow performance and extended operational service life in demanding industrial applications.

Model Number: MGT4012UB-R20

Brand: Magic (Protechnic)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.30 A

Power Input: 3.60 W

Rated Speed: 13600 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 15.50 CFM (26.33 m³/h / 0.44 m³/min)

Max. Static Pressure: 14.2 mmH₂O (139 Pa / 0.56 inH₂O)

Dimensions: 40 x 40 x 20 mm

Weight: 48 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 46.5 dB(A)

Termination: 3-Wire Lead

Wire Gauge: 26 AWG

Signal Output: Tachometer (FG Signal)

Insulation Class: Class A

Ingress Protection: IP40

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Certifications: CE, UL, TUV, RoHS

This compact thermal solution is specifically designed for high-performance hardware such as frequency inverters, power inverters, and 1U server rack chassis where space is at a premium. The MGT4012UB-R20 is frequently utilized in industrial automation controllers, network switches, and medical instrumentation requiring consistent forced air cooling. By integrating the MGT4012UB-R20 into these critical systems, operators ensure efficient heat evacuation from dense circuitry, preventing thermal throttling and safeguarding the longevity of sensitive electronic components.

Supplemental Images

