

MGT3005ZB-R10 Protechnic 5VDC 30x30x10mm Axial Fan Datasheet



Brand: Protechnic

SKU: 805819725338

Category: Axial & Centrifugal Fans

Price: \$14.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mgt3005zb-r10-protechnic-5vdc-30x30x10mm-axial-fan>

Product Description

The Protechnic MGT3005ZB-R10 is a precision-engineered DC axial fan designed to deliver critical thermal management in highly constrained electronic assemblies. Utilizing advanced motor technology paired with a robust double ball bearing architecture, this unit ensures minimal frictional losses and exceptional operational longevity under continuous load conditions. The aerodynamic impeller design is optimized to reduce turbulence while maintaining consistent static pressure, effectively lowering thermal impedance in restricted enclosures. Its structural rigidity and vibration-dampening frame make it an ideal solution for sensitive optoelectronic equipment requiring stable, low-vibration cooling performance.

Model Number: MGT3005ZB-R10

Brand: Protechnic (Magic Technology)

Product Type: DC Axial Fan

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.20 A

Power Consumption: 1.0 W

Dimensions: 30x30x10mm

Bearing Type: Double Ball Bearing

Rated Speed: 9500 RPM

Max. Air Flow: 4.2 CFM (7.14 m³/h / 0.12 m³/min)

Max. Static Pressure: 4.83 mmH₂O (47.3 Pa / 0.19 inH₂O)

Noise Level: 28.5 dB(A)

Termination: 3-Wire Leads

Signal Output: Tachometer Signal (FG)

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Weight: 8.5 g

Ingress Protection: IP40

The MGT3005ZB-R10 is specifically engineered for precision cooling in compact industrial applications, prominently featuring in laser projection units and optoelectronic devices where space is at a premium. Its compact form factor allows for seamless integration into portable medical instrumentation, miniature server cooling modules, and embedded telecommunications systems. The MGT3005ZB-R10 ensures reliable thermal regulation in these high-stress environments, preventing component degradation due to heat accumulation in tightly packed chassis.

Supplemental Images

