

MGA5012XR-O15 Protechnic 12V 0.20A DC Axial Fan

SKU: MGA5012XR-015

Price: \$9.99

Categories: Fans

Tags: Protechnic

Product Link:

<https://www.electspares.com/product/mga5012xr-o15-protechnic-12v-0-20a-dc-axial-fan/>

Product Description

The Protechnic MGA5012XR-O15 is a high-performance DC Axial Fan with measuring dimensions of 50 x 50 x 15 mm. It operates on a rated voltage of 12 VDC with a current draw of 0.20 A and a power input of 2.4 W. This Extra High-Speed (XR) model achieves a high speed of 7000 RPM, delivering a strong airflow of 31.1 m³/h (18.31 CFM) and 81.0 Pa (0.325 inAq) static pressure. Crucially, it features a 4-Wire termination for precise PWM speed control and Tachometer signal output, utilizing a long-life Rifle Bearing system.

MGA5012XR-O15 Fan Parameters

Model: MGA5012XR-O15

Manufacturer: Protechnic

Type: DC Axial Fan

Dimensions: 50 x 50 x 15 mm

Rated Voltage: 12 VDC

Rated Current: 0.20 A

Rated Input Power: 2.4 W

Speed: 7000 RPM

Airflow: 31.1 m³/h (18.31 CFM)

Static Pressure: 81.0 Pa (0.325 inAq)

Noise Level: 37.6 dB(A)

Bearing Type: Rifle Bearing (F.B.R)

Termination: 4-Wire Leads (PWM & Tachometer)

Life Expectancy: 70000 Hrs (Estimated)

Material Frame: Plastic

Material Blade: Plastic

Application

The MGA5012XR-O15 is specifically designed for high-density electronic cooling in applications requiring a balance of compact size, aggressive thermal management, and intelligent control. Its 4-Wire configuration makes it essential for CPU coolers, server components, network equipment, and specialized industrial control systems that must dynamically adjust fan speed based on thermal load for optimal efficiency and noise reduction.

Product Images









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