DF031012RFMN Martech 12VDC 30x30x10mm 2-Wire Axial Fan Datasheet

SKU: 1011421715049

Category: Axial & Centrifugal Fans

Price: **$9.99**

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Product Page:
https://www.equipspares.com/product/df031012rfmn-martech-12vdc-30x30x10mm-2-wire-axial-fan

Product Description

The Martech DF031012RFMN is a compact Axial Fan engineered for precision thermal management in space-constrained electronic assemblies. Utilizing advanced DC brushless motor technology, this unit delivers consistent airflow while maintaining low power consumption relative to its size. The aerodynamic blade design is optimized to minimize turbulence and acoustic noise, ensuring efficient heat dissipation in high-density environments. Constructed with high-grade materials to ensure structural rigidity, the fan operates reliably under continuous duty cycles. Its compact form factor allows for seamless integration into intricate circuitry, effectively lowering thermal impedance and protecting sensitive components from overheating in industrial and consumer electronics.

Model Number: DF031012RFMN
Brand: Martech
Product Type: Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.11 A
Power Consumption: 1.32 W
Dimensions: 30x30x10 mm
Bearing Type: Sleeve / Hydro Dynamic (Reference Series Standard)
Termination: 2-Wire Lead

Wire Configuration: Red (+), Black (-)
Motor Type: Brushless DC
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Mounting Orientation: Any
Operating Temperature: -10°C to +70°C
Application: Electronic Cooling, Heat Sink Dissipation

The DF031012RFMN is frequently deployed in compact electronic enclosures where space is at a premium but airflow cannot be compromised. Common applications include active cooling for chipsets on embedded motherboards, 3D printer hotend assemblies, and portable medical instrumentation. The DF031012RFMN ensures critical components remain within safe operating temperatures in telecommunications equipment and small-scale power supplies. Its small footprint makes it ideal for spot cooling in dense circuit arrays and DVR systems.

Supplemental Images