

DF1203812B2UN MARTECH 12VDC 2.7A 120mm DC Cooling Fan Datasheet



SKU: 1049220421218

Category: Axial & Centrifugal Fans

Price: \$17.71

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Product Page:

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Product Description

MARTECH DF1203812B2UN 120 x 120 x 38 mm 12 VDC 32.4 W 207.38 CFM axial cooling fan features a V0-rated flame retardant PBT frame reinforced with 30 % glass fiber to ensure structural integrity under continuous thermal loads. The internal mechanism utilizes a high-precision dual ball bearing system and copper-core motor technology, enabling a rotational speed of 6000 RPM and a static pressure of 21.60 mmH₂O. Interface connectivity is managed via a 4-pin PWM connector on a 40 cm lead wire, allowing for precise temperature-controlled speed regulation.

DF1203812B2UN Specifications

Model Number: DF1203812B2UN

Brand: MARTECH

Product Category: DC Axial Cooling Fan

Dimensions: 120 x 120 x 38 mm

Nominal Voltage: 12 VDC

Rated Current: 2.7 A

Power Consumption: 32.4 W

Rotational Speed: 6000 RPM

Maximum Airflow: 207.38 CFM

Static Pressure: 21.60 mmH₂O

Noise Level: 64 dB-A

Bearing Type: High-Precision Dual Ball Bearing

Connector Type: 4-Pin PWM

Wire Length: 40 cm

Frame Material: PBT + 30 % Glass Fiber (V0-Rated Flame Retardant)

Motor Technology: Copper-Core

Operating Temperature: -10 to 70 °C

Storage Temperature: -40 to 70 °C

DF1203812B2UN Applications

Primary applications include integration into high-density ASIC mining rigs, specifically Antminer and Iceriver series hardware, for continuous thermal management. Deployed within server racks, industrial control panels, and high-performance computing enclosures, the fan provides critical heat dissipation for components operating under sustained heavy computational loads.

Supplemental Images

