

BF5020M12D COOLCOX 12VDC 4000RPM 50x50x20mm DC Blower Fan Datasheet



Brand: COOLCOX

SKU: 880600769953

Category: Axial & Centrifugal Fans

Price: \$13.86

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Product Page:

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Product Description

COOLCOX BF5020M12D is a 50 x 50 x 20 mm DC blower fan operating at a nominal 12 VDC and 0.84 W, delivering an airflow of 4.40 CFM and a static pressure of 5.20 mmH₂O. The structural assembly utilizes a PBT frame and impeller, housing a dual ball bearing mechanism designed for a rotational speed of 4000 RPM. Electrical interfacing is achieved via a 2-wire UL2468 AWG #28 lead configuration, generating an acoustic profile of 27.0 dBA during standard operation.

BF5020M12D Specifications

Manufacturer: COOLCOX

Model Number: BF5020M12D

Product Category: DC Blower Fan

Dimensions: 50.0 x 50.0 x 20.0 mm

Rated Voltage: 12 VDC

Rated Current: 0.07 A

Input Power: 0.84 W

Rotational Speed: 4000 RPM

Maximum Airflow: 4.40 CFM

Static Pressure: 5.20 mmH₂O

Noise Level: 27.0 dBA

Bearing Type: Dual Ball Bearing (2-Ball)

Frame Material: PBT

Impeller Material: PBT

Lead Wire: UL2468 AWG #28 (Red +, Black -)

Weight: 28 g

Mounting Hole Diameter: 4.3 mm

BF5020M12D Applications

Primary applications include integration into compact HVAC control panels, telecom base station power supplies, and CNC spindle cooling systems. Deployed within automotive LED thermal management modules and industrial server racks, this component provides directed airflow for localized heat dissipation in high-density electronic enclosures.

Supplemental Images

