AD1212MB-F51 ADDA 12VDC 120x120x38mm Axial Fan Datasheet

Brand: ADDA

SKU: 842462884593

Category: Axial & Centrifugal Fans

Price: **$19.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page: https://www.equipspares.com/product/ad1212mb-f51-adda-12vdc-120x120x38mm-axial-fan

Product Description

ADDA AD1212MB-F51 is a 12VDC 120x120x38mm Axial Fan optimized for high-density thermal management in uninterruptible power supplies. Utilizing a brushless DC motor with a precision ball bearing architecture, this unit minimizes thermal impedance while maintaining structural rigidity under continuous operation. The aerodynamic impeller design is engineered to deliver a rated current of 0.35A and approximately 80.5 CFM of airflow, ensuring efficient heat dissipation in high-impedance environments. This model features a UL94V-0 reinforced PBT housing, providing durability and flame resistance for critical infrastructure. Its 38mm depth allows for increased static pressure compared to standard 25mm variants, making it a robust solution for industrial cooling.

Model Number: AD1212MB-F51
Brand: ADDA
Product Type: Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.35 A
Power: 4.2 W
Rated Speed: 2500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 80.50 CFM (136.8 m^3/h / 2.28 m^3/min)
Max. Static Pressure: 5.84 mmH_2O (57.27 Pa / 0.23 inH_2O)

Dimensions: 120 x 120 x 38 mm
Weight: 260 g
Life Expectancy: 70000 hours at 40 °C
Noise Level: 38.0 dBA
Housing Material: Plastic (UL94V-0)
Blade Material: Plastic (UL94V-0)
Termination: 2 Lead Wires
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +70 °C
Insulation Class: Class A

AD1212MB-F51 Applications
1. UPS Battery Cabinets: The 38mm frame depth provides the necessary static pressure to overcome the high system impedance found in tightly packed battery arrays, ensuring consistent airflow for thermal regulation.
2. Industrial VFD Enclosures: Ideal as a replacement fan for variable frequency drives where high-volume air displacement is required to prevent heat soak in power electronics.
3. Server Rack Cooling: Optimized for 3U and larger rackmount chassis requiring reliable, long-life cooling components to maintain uptime in 24/7 data center environments.

Supplemental Images