AD5012UB-C7B ADDA 12VDC 50x50x20mm PWM Cooling Fan Datasheet

Brand: ADDA

SKU: 987390739000

Category: Axial & Centrifugal Fans

Price: **$18.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ad5012ub-c7b-adda-12vdc-50x50x20mm-pwm-cooling-fan

Product Description

The ADDA AD5012UB-C7B is a high-performance DC axial fan engineered for critical thermal management in compact industrial enclosures. Utilizing advanced brushless DC motor technology and a robust Dual Ball Bearing system, this unit ensures exceptional longevity and structural rigidity under continuous operation. The aerodynamic impeller design is optimized to deliver high static pressure, effectively overcoming thermal impedance in dense component configurations. Designed with a 4-wire PWM interface, it allows for precise speed modulation, balancing thermal efficiency with acoustic performance. This model is constructed with UL94V-0 rated materials, ensuring compliance with rigorous safety standards for server and telecommunications applications.

Model Number: AD5012UB-C7B
Brand: ADDA Corporation
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.30 A
Input Power: 3.60 W
Rated Speed: 6800 RPM
Max. Air Flow: 16.5 CFM (28.0 m^3/h / 0.46 m^3/min)
Max. Static Pressure: 8.13 mmH_2O (79.7 Pa / 0.32 inH_2O)

Bearing Type: Dual Ball Bearing
Dimensions: 50 x 50 x 20 mm
Noise Level: 36.5 dB(A)
Termination: 4-Wire Leads (PWM Control)
Wire Assignment: Red (+), Black (-), Yellow (FG/Tach), Blue (PWM)
Frame Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Ingress Protection: IP20
Safety Approvals: UL, cUL, TUV, CE

The AD5012UB-C7B is specifically designed for high-density electronic environments requiring reliable forced-air cooling. It is frequently integrated into 1U server racks, network switches, and industrial power supply units where space is limited but heat dissipation requirements are high. The AD5012UB-C7B also serves as a critical component in medical instrumentation and compact CNC control modules, ensuring stable operating temperatures for sensitive microprocessors and power components.

Supplemental Images


ADDA
DC BRUSHLESS
MODEL AD5012UB-C7B
DC 12V
0.30A
ADDA CORP.
ZD
(NSH10)
TY
EP
8YG1