AD0212LB-G70 ADDA 12VDC 25x25x10mm Axial Fan Datasheet

Brand: ADDA

SKU: 654918120721

Category: Axial & Centrifugal Fans

Price: **$13.29**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page: https://www.equipspares.com/product/ad0212lb-g70-adda-12vdc-25x25x10mm-axial-fan

Product Description

ADDA AD0212LB-G70 is a 12VDC 25x25x10mm Axial Fan optimized for localized thermal management in space-constrained electronic enclosures. This compact cooling solution utilizes a brushless DC motor architecture paired with a precision dual ball bearing system to minimize friction and extend service life in continuous duty cycles. The aerodynamic impeller is engineered to reduce thermal impedance by providing concentrated airflow in high-density PCB environments. Operating at a rated current of 0.07A and a speed of 6500 RPM, this unit delivers a static pressure of 1.80 mmH2O, ensuring reliable heat dissipation for sensitive micro-components while maintaining structural rigidity through its UL94V-0 reinforced thermoplastic housing.

Model Number: AD0212LB-G70
Brand: ADDA
Product Type: Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.07 A
Power: 0.84 W
Rated Speed: 6500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 1.50 CFM (0.042 m^3/min)
Max. Static Pressure: 1.80 mmH_2O (17.65 Pa / 0.07 inH_2O)

Dimensions: 25 x 25 x 10 mm
Weight: 7.5 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 23.0 dB(A)
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
Protection Features: Locked Rotor Protection, Reverse Polarity Protection
Certifications: UL, CUL, TUV, CE

AD0212LB-G70 Applications

1. Micro-Inverter Cooling: The 25mm form factor and dual ball bearing design provide a high-reliability replacement fan solution for internal thermal regulation in compact power conversion modules.
2. Network Switch SFP Ports: Ideal for overcoming high system impedance in 1U network hardware where localized airflow is required for optical transceiver cooling.
3. Handheld Industrial Scanners: Low-vibration operation ensures optical precision is maintained in portable diagnostic equipment requiring active heat dissipation.

Supplemental Images


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