AD0412HB-D50 ADDA 12VDC 40x40x15mm Low Noise Axial Fan Datasheet

Brand: ADDA

SKU: 937068192866

Category: Axial & Centrifugal Fans

Price: **$8.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ad0412hb-d50-adda-12vdc-40x40x15mm-low-noise-axial-fan

Product Description

The ADDA AD0412HB-D50 is a precision-engineered DC Axial Fan designed for optimal thermal management in compact electronic assemblies. Utilizing a robust Double Ball Bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load. The aerodynamic impeller design reduces turbulence, thereby lowering acoustic noise while maintaining consistent static pressure. Its structural rigidity and efficient motor commutation provide reliable heat dissipation, effectively lowering thermal impedance in high-density circuitry.

Model Number: AD0412HB-D50
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.12 A
Input Power: 1.44 W
Rated Speed: 6000 RPM
Bearing Type: Double Ball Bearing
Max. Air Flow: 7.80 CFM (13.25 m^3/h / 0.22 m^3/min)
Max. Static Pressure: 4.32 mmH_2O (42.36 Pa / 0.17 inH_2O)
Dimensions: 40 x 40 x 15 mm

Weight: 28 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 29.0 dB(A)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Termination: Lead Wires
Operating Temperature: -10°C to +70°C
Safety Certifications: UL, CUL, TUV, CE

The AD0412HB-D50 is engineered for critical cooling applications requiring a balance of size and performance, such as 1U server racks, compact power supplies, and industrial automation controllers. Its compact form factor allows for seamless integration into medical instrumentation and telecommunications equipment where space is at a premium. By delivering consistent airflow, the AD0412HB-D50 effectively mitigates hotspots in CNC control modules and network switches, ensuring system stability in demanding environments.

Supplemental Images