AD0412UB-C50 ADDA 12VDC 40x40x20mm 0.14A Axial Fan Datasheet

Brand: ADDA

SKU: 847334716756

Category: Axial & Centrifugal Fans

Price: **$13.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ad0412ub-c50-adda-12vdc-40x40x20mm-0-14a-axial-fan

Product Description

The ADDA AD0412UB-C50 is a compact DC axial fan engineered for high-density electronic cooling applications requiring reliable thermal management. Featuring a robust dual ball bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous loads. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity, effectively reducing thermal impedance in restricted enclosures. Designed for precision, the motor assembly delivers consistent rotational stability, making it an ideal solution for critical hardware environments.

Model Number: AD0412UB-C50
Brand: ADDA Corporation
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.14 A
Input Power: 1.68 W
Rated Speed: 8700 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 9.0 CFM (15.29 m^3/h)
Max. Static Pressure: 6.35 mmH_2O (62.27 Pa / 0.25 inH_2O)

Dimensions: 40 x 40 x 20 mm
Weight: 28 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 33.0 dB(A)
Termination: 2-Wire Leads (180 mm)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Safety Approvals: UL, cUL, TUV, CE

The AD0412UB-C50 is engineered for critical thermal regulation in compact electronic enclosures, specifically excelling in surveillance hardware such as DVRs and NVRs. Its high rotational speed and pressure capabilities make it suitable for 1U server rack cooling, network appliances, and industrial control interfaces. Additionally, the AD0412UB-C50 is frequently utilized in small-form-factor power supplies and telecommunications equipment where reliable, continuous airflow is required to maintain component stability.

Supplemental Images