AD0412UB-B5BDS ADDA 12V DC Axial Fan

SKU: AD0412UB-B5BDS

Price: $9.99

Categories: Fans

Tags: ADDA

Product Link:
https://www.elecspares.com/product/ad0412ub-b5bds-adda-12v-dc-axial-fan/

Product Description

The ADDA AD0412UB-B5BDS is a high-performance DC Axial Fan with dimensions of 40×40×28 mm. It operates on a 12.0 VDC Rated Voltage within an Operating Voltage Range of 10.8 VDC–15.0 VDC. Featuring a Brushless DC Motor and a Ball Bearing system, the fan offers variable speeds via PWM control. At 100% Duty Cycle its Rated Speed is 13,000 RPM, delivering 22.0 CFM Airflow (37.4 m3/h) and 1.200 inAq Static Pressure (30.48 Pa). The fan has a Rated Current of 0.70 A (8.40 W Rated Power) and includes a 4-wire AWG# 26 termination for PWM and Tachometer feedback. This product is ideal for compact, high-wattage density electronics and critical system cooling that require precise speed regulation.

Fan Parameters
Model: AD0412UB-B5BDS
Manufacturer: ADDA
Type: DC Axial Fan
Dimensions: 40×40×28 mm
Motor Design: Brushless DC Motor
Bearing Type: Ball Bearing
Rated Voltage: 12.0 VDC
Operating Voltage Range: 10.8 VDC–15.0 VDC
Start-Up Voltage: 9.0 VDC
Rated Current: 0.70 A
Rated Input: 8.40 W
Rated Speed: 13,000 RPM (Duty100%)
Speed at 50% Duty: 7,500 RPM
Speed at 20% Duty: 3,500 RPM
Airflow: 22.0 CFM (37.4 m3/h)
Static Pressure: 1.200 inAq (30.48 Pa)
Noise Level: 52.5 dB/A

Termination: 4-Wire Wire, AWG# 26 (PWM + Tachometer)
Motor Protection: By IC
Life Expectancy: 60,000 h at 40 ◦C/65%
Net Weight: 42 Gram
Safety Approval: UL, CUL, TUV, CE
Number of blades: 5
Frame Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)

Application
The AD0412UB-B5BDS is best suited for spot cooling in high-performance electronics where space is limited and high static pressure is required. Typical applications include 1U server cooling, telecommunications equipment, network routers, small form factor PCs, and industrial control systems that utilize PWM for precise thermal management.

Product Images


ADDA
DC BRUSHLESS
MODEL AD0412UB-B5BDS
DC 12V
0.70A
S
(HFP2NS)
TP ADDA CORP. LF
CS


ADDA
DC BRUSHLESS
MODEL AD0412UB-B58DS
DC 12V
0.70A
ADDA CORP.

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