AD0412VB-B5BDS ADDA 12V DC PWM Axial Fan

SKU: AD0412VB-B5BDS

Price: $9.99

Categories: Fans

Tags: ADDA

Product Link:
https://www.elecspares.com/product/ad0412vb-b5bds-adda-12v-dc-pwm-axial-fan/

Product Description

The ADDA AD0412VB-B5BDS is a high-performance DC Axial Fan with dimensions of 40×40×28 mm. Operating at 12 V, this Maximum High Speed fan provides an intense 45.87 m3/h Airflow and an extremely high 460.8 Pa Static Pressure at a Nominal Speed of 16,000 RPM. Consuming 9.60 W (Rated Current 0.80 A), it features Dual Ball Bearings and a 4-wire connection for PWM speed control and FG (Tachometer) monitoring, designed for maximum cooling in constrained spaces.

AD0412VB-B5BDS Fan Parameters
Model: AD0412VB-B5BDS
Manufacturer: ADDA
Type: DC Axial Fan
Dimensions: 40×40×28 mm
Operating Voltage: 12 V
Rated Current: 0.80 A
Power Consumption: 9.60 W
Nominal Speed: 16,000 RPM
Airflow: 45.87 m3/h (27.00 CFM)
Static Pressure: 460.8 Pa (46.99 mmAq)
Noise Level: 58.0 dB(A)
Bearing Type: Dual Ball
Termination: 4-Wire (PWM and FG Signal)
Motor Protection: Motor protective circuit
Frame Material: PBT (UL94V-0), Glass-filled
Impeller Material: PBT (UL94V-0), Glass-filled

Operating Temperature: −10 °C to 75 °C
Storage Temperature: −40 °C to 75 °C
Life Expectancy: 50,000 hours (at 25 °C)
Safety Approvals: UL, cUL, TÜV, CE

Application
This fan is specifically designed for high-performance computing and embedded systems where the compact 40 mm frame must deliver aggressive cooling against high thermal loads and restricted airflow pathways. Its capability for PWM speed regulation and real-time FG feedback makes it an indispensable component in 1U and 2U enterprise server units, storage arrays, high-power network switches, and custom industrial machinery that requires dynamic, reliable, and high-pressure spot cooling for processors, VRMs, or dense memory modules.

Product Images


ADDA
DC BRUSHLESS
MODEL AD0412VB-B5BDS
DC 12V
0.80A
G
(HFP)
TP
ADDA CORP.
LF
3120


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DC BRUSHLESS
MODEL AD0412VB-B5BDS
DC 12V
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