AD0812VB-D7B ADDA 12VDC 80x80x20mm 4-Wire DC Axial Fan Datasheet

Brand: ADDA

SKU: 988545018782

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ad0812vb-d7b-adda-12vdc-80x80x20mm-4-wire-dc-axial-fan

Product Description

The ADDA AD0812VB-D7B is a high-efficiency DC Axial Fan engineered for critical thermal management applications requiring robust airflow in a compact form factor. Utilizing advanced DC brushless motor technology combined with a precision-machined Double Ball Bearing system, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic impeller design is optimized to reduce turbulence while maximizing static pressure, effectively lowering thermal impedance within dense electronic enclosures. Constructed with high-grade thermoplastic materials to ensure structural rigidity, the fan maintains stability at high rotational speeds, making it an ideal solution for industrial environments demanding reliability and performance consistency.

Model Number: AD0812VB-D7B
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.40 A
Power Input: 4.80 W
Rated Speed: 4200 RPM
Bearing Type: Double Ball Bearing

Max. Air Flow: 46.2 CFM (78.5 m^3/h / 1.31 m^3/min)
Max. Static Pressure: 5.8 mmH_2O (56.8 Pa / 0.23 inH_2O)
Dimensions: 80 x 80 x 20 mm
Weight: 86 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 41.0 dB(A)
Termination: 4-Wire Leads
Speed Control: PWM Control
Wire Function: Red (+), Black (-), Yellow (Tach), Blue (PWM)
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Safety Certifications: UL, CUL, TUV, CE
Protection: Locked Rotor Protection, Polarity Protection

The ADDA AD0812VB-D7B is specifically designed for integration into high-density electronic systems such as rack-mounted servers, telecommunications switching gear, and industrial automation control panels. Its slim 20mm profile allows the AD0812VB-D7B to fit into space-constrained chassis where standard 25mm fans cannot be accommodated, providing essential cooling for power supplies and CPU heatsinks. Additionally, this model is frequently utilized in medical instrumentation and network storage devices where sustained airflow and precise PWM speed control are necessary to balance cooling efficiency with acoustic requirements.

Supplemental Images


ADDA
DC BRUSHLESS
MODEL AD0812VB-D7B
DC 12V
0.40A
ADDA CORP.
ZD
(NS)
TY
TP
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