AD08012HB257004 ADDA 12VDC 0.18A 80x80x25mm Axial Fan Datasheet

Brand: ADDA

SKU: 1021938408783

Category: Axial & Centrifugal Fans

Price: **$15.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ad08012hb257004-adda-12vdc-0-18a-80x80x25mm-axial-fan

Product Description

The ADDA AD08012HB257004 is a high-precision Axial Fan engineered for critical thermal management in compact electronic enclosures. Utilizing advanced DC brushless motor technology, this unit minimizes thermal impedance while maintaining structural rigidity through its reinforced PBT thermoplastic housing. The aerodynamic impeller design is optimized for stable laminar flow, ensuring efficient heat dissipation across sensitive components. Equipped with a sophisticated bearing architecture, the AD08012HB257004 offers extended operational longevity and reduced acoustic resonance. Its robust electrical design includes integrated protection circuits to safeguard against common failure modes in demanding industrial and consumer electronics environments.

Model Number: AD08012HB257004
Brand: ADDA
Product Type: Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.18A
Power: 2.16W
Rated Speed: 3000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 38.60 CFM (65.58 m^3/h / 1.09 m^3/min)

Max. Static Pressure: 3.81 mmH_2O (37.36 Pa / 0.15 inH_2O)
Dimensions: 80x80x25mm
Weight: 86g
Life Expectancy: 70000 hours at 40°C
Noise Level: 33.0 dB(A)
Housing Material: UL94V-0 Plastic PBT
Blade Material: UL94V-0 Plastic PBT
Termination: 2 Lead Wires
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Insulation Class: Class A
Safety Certifications: UL, CUL, TUV, CE
Protection Features: Locked Rotor Protection, Reverse Polarity Protection

The AD08012HB257004 is specifically designed for high-reliability cooling in projector internal systems and power supply modules. In projector applications, the AD08012HB257004 ensures the mainboard and optical engine remain within safe operating temperatures to prevent thermal shutdown. Its compact 80mm form factor also makes it ideal for integration into network switches, small form factor server chassis, and medical diagnostic equipment where consistent airflow is mandatory.

Supplemental Images