AD0205LB-G50 ADDA 5VDC 25x25x10mm Axial Fan Datasheet

Brand: ADDA

SKU: 958114121112

Category: Axial & Centrifugal Fans

Price: **$14.29**

E-mail: sales@equipspares.com

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Product Page: https://www.equipspares.com/product/ad0205lb-g50-adda-5vdc-25x25x10mm-axial-fan

Product Description

ADDA AD0205LB-G50 is a 5VDC 25x25x10mm Axial Fan optimized for localized thermal management in space-constrained electronic enclosures. This micro-cooling component utilizes a sophisticated brushless DC motor architecture paired with a precision dual ball bearing system to minimize mechanical friction and extend service life. The aerodynamic impeller is engineered for high structural rigidity, ensuring stable airflow delivery even under increased system impedance. Operating at a rated current of 0.06A and producing a steady 2.10 CFM, this fan effectively mitigates heat soak in sensitive components while maintaining a low power profile of 0.30W, making it ideal for precision instrumentation and portable hardware.

Model Number: AD0205LB-G50
Brand: ADDA
Product Type: Axial Fan
Rated Voltage: 5 VDC
Voltage Range: 4.5 - 5.5 VDC
Rated Current: 0.06 A
Power: 0.30 W
Rated Speed: 8000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 2.10 CFM (3.57 m^3/h / 0.06 m^3/min)
Max. Static Pressure: 3.05 mmH_2O (29.91 Pa / 0.12 inH_2O)

Dimensions: 25 x 25 x 10 mm
Weight: 7.5 g
Life Expectancy: 70000 Hours at 40°C
Noise Level: 22.0 dB(A)
Housing Material: Plastic UL94V-0
Blade Material: Plastic UL94V-0
Termination: 2 Lead Wires
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +70 °C
Protection Features: Locked Rotor Protection, Reverse Polarity Protection
Certifications: UL, CUL, TUV, CE

AD0205LB-G50 Applications

1. Handheld Medical Diagnostics: The dual ball bearing system provides the low-vibration operation required for sensitive optical sensors and portable imaging hardware.
2. Micro-Inverter Cooling: High static pressure relative to size allows for effective heat dissipation in densely packed power conversion modules where airflow resistance is high.
3. Network Switch Replacement Fan: Serves as a precise mechanical replacement for 25mm internal cooling units in legacy small-form-factor (SFF) networking equipment requiring 5V logic power.

Supplemental Images