AD0205MX-K50 ADDA 5VDC 20x20x10mm Hypro Bearing Axial Fan Datasheet

Brand: ADDA

SKU: 990924999583

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ad0205mx-k50-adda-5vdc-20x20x10mm-hypro-bearing-axial-fan

Product Description

The ADDA AD0205MX-K50 is a precision-engineered DC Axial Fan designed to deliver optimal thermal management in compact electronic assemblies. Utilizing ADDA's proprietary Hypro Bearing technology, this unit bridges the gap between sleeve and ball bearings, offering extended service life and reduced frictional noise compared to standard sleeve variants. The 20mm frame is constructed from high-grade thermoplastic, ensuring structural rigidity and resistance to thermal deformation under continuous operation. With a rated voltage of 5VDC and a current draw of 0.15A, the motor assembly is calibrated for efficient aerodynamic throughput, minimizing thermal impedance in high-density circuitry while maintaining a compact footprint.

Model Number: AD0205MX-K50
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 5 VDC
Voltage Range: 4.5 - 5.5 VDC
Rated Current: 0.15 A
Input Power: 0.75 W
Rated Speed: 12000 RPM
Bearing Type: Hypro Bearing (Hydraulic)
Max. Air Flow: 2.2 CFM (3.74 m^3/h / 0.06 m^3/min)

Max. Static Pressure: 3.5 mmH_2O (34.3 Pa / 0.14 inH_2O)
Dimensions: 20 x 20 x 10 mm
Weight: 8.0 g
Life Expectancy: 40,000 Hours at 40°C
Noise Level: 26.0 dB(A)
Frame Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Termination: 2-Wire Lead (Red +, Black -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP40
Safety Certifications: UL, CUL, TUV, CE
Motor Protection: Impedance Protected

The AD0205MX-K50 is engineered for integration into ultra-compact electronic devices where space is at a premium but thermal dissipation cannot be compromised. Common deployment scenarios include cooling chipsets in handheld medical devices, ventilating miniature optical transceivers, and maintaining operating temperatures in portable instrumentation. The AD0205MX-K50 is also frequently utilized in embedded IoT nodes, small form-factor DVR systems, and active cooling for mobile computing peripherals, providing reliable airflow to prevent localized hotspots on PCBs.

Supplemental Images


ADDA
AD0205MX-K50
DC 5V 0.13A
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