AD0205DX-K56 ADDA 5VDC 25x25x7mm Hypro Bearing Axial Fan Datasheet

Brand: ADDA

SKU: 1009166224634

Category: Axial & Centrifugal Fans

Price: **$3.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ad0205dx-k56-adda-5vdc-25x25x7mm-hypro-bearing-axial-fan

Product Description

The ADDA AD0205DX-K56 is a compact Axial Fan engineered for precision thermal management in space-constrained electronic assemblies. Utilizing ADDA's proprietary Hypro Bearing technology, this unit balances the cost-effectiveness of sleeve bearings with extended operational longevity through enhanced lubrication retention. The 5VDC brushless motor design ensures consistent torque delivery while minimizing electromagnetic interference. Constructed with a high-rigidity thermoplastic frame, the AD0205DX-K56 optimizes airflow dynamics to reduce thermal impedance in dense circuitry, making it a reliable solution for continuous duty cycles in sensitive instrumentation.

Model Number: AD0205DX-K56
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 5 VDC
Voltage Range: 4.5 - 5.5 VDC
Rated Current: 0.08 A
Power Input: 0.40 W
Rated Speed: 10000 RPM
Bearing Type: Hypro Bearing
Max. Air Flow: 2.2 CFM (3.74 m^3/h / 0.06 m^3/min)
Max. Static Pressure: 3.81 mmH_2O (37.36 Pa / 0.15 inH_2O)

Dimensions: 25 x 25 x 7 mm
Weight: 5.0 g
Life Expectancy: 40,000 Hours at 40°C
Noise Level: 28.0 dB(A)
Termination: 3-Wire Leads (No Connector)
Housing Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Speed Control: Tachometer Output (Signal)
Motor Type: Brushless DC

The AD0205DX-K56 is frequently integrated into compact mobile computing devices, ultra-portable projectors, and handheld diagnostic equipment where internal volume is at a premium. Its low-profile 7mm thickness allows for seamless installation in tight chassis environments such as chipset cooling in embedded systems or ventilation for miniature optical drives. Additionally, the AD0205DX-K56 serves as an effective active cooling component for VRM modules and IoT sensor nodes requiring reliable heat dissipation without significant power consumption.

Supplemental Images