

AD3505MX-K76 ADDA 5VDC 0.14A 35x35x10mm Axial Fan Datasheet



Brand: ADDA

SKU: 1033231024671

Category: Axial & Centrifugal Fans

Price: \$11.99

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Product Page:

<https://www.equipspares.com/product/ad3505mx-k76-adda-5vdc-0-14a-35x35x10mm-axial-fan>

Product Description

ADDA AD3505MX-K76 is a 5VDC 35x35x10mm Axial Fan optimized for precision thermal management in space-constrained electronic enclosures. This compact cooling solution utilizes ADDA's proprietary HYPRO bearing architecture, which bridges the gap between traditional sleeve and ball bearings to reduce thermal impedance and extend service life. The aerodynamic impeller is engineered for high structural rigidity, ensuring stable airflow delivery even in high-density PCB environments. Operating at a rated current of 0.14A and a speed of 6500 RPM, this unit provides a balanced 5.3 CFM of airflow while maintaining a low acoustic profile of 28 dB(A), making it ideal for noise-sensitive instrumentation.

Model Number: AD3505MX-K76

Brand: ADDA

Product Type: Axial Fan

Rated Voltage: 5 VDC

Voltage Range: 4.25 - 5.75 VDC

Rated Current: 0.14 A

Power: 0.7 W

Rated Speed: 6500 RPM

Bearing Type: HYPRO Bearing

Max. Air Flow: 5.3 CFM (0.15 m³/min)

Max. Static Pressure: 3.30 mmH₂O (32.36 Pa / 0.13 inH₂O)

Dimensions: 35 x 35 x 10 mm

Weight: 10 g

Life Expectancy: 50000 Hours at 25°C

Noise Level: 28.0 dB(A)

Speed Control: 3-Wire (Tachometer/FG Signal)

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 3 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

AD3505MX-K76 Applications

1. Micro-Controller Cooling: The 35mm form factor and 3-wire tachometer output provide precise thermal feedback for embedded systems and single-board computers.
2. Portable Medical Diagnostics: Low-vibration HYPRO bearing technology ensures minimal interference for sensitive optical or ultrasonic sensors in handheld medical devices.
3. Network Interface Cards: Ideal replacement fan for high-speed NICs and small-form-factor (SFF) networking hardware requiring high static pressure to overcome internal component impedance.

Supplemental Images

