AD0812UX-A76GL ADDA 12VDC 80x80x25mm Hypro Bearing Axial Fan Datasheet

Brand: ADDA

SKU: 751520305290

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ad0812ux-a76gl-adda-12vdc-80x80x25mm-hypro-bearing-axial-fan

Product Description

The ADDA AD0812UX-A76GL is a precision-engineered DC axial fan designed for critical thermal management in electronic enclosures and computing systems. This unit utilizes ADDA's proprietary Hypro bearing technology, which bridges the gap between sleeve and ball bearings to offer enhanced longevity and reduced friction coefficients without the acoustic penalty of traditional ball bearings. The aerodynamic profile of the impeller is optimized to deliver high static pressure relative to its frame size, ensuring efficient airflow through dense component arrays. Constructed with a robust thermoplastic housing, the fan maintains structural rigidity under thermal stress, minimizing vibration and resonance. Its electrical architecture supports stable operation within standard DC voltage tolerances, making it a reliable component for continuous duty cycles where thermal impedance must be actively managed.

Model Number: AD0812UX-A76GL
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.30 A
Power Consumption: 3.60 W

Rated Speed: 3700 RPM
Bearing Type: Hypro Bearing
Max. Air Flow: 48.2 CFM (1.36 m^3/min)
Max. Static Pressure: 0.195 inH_2O (4.95 mmH_2O)
Dimensions: 80 x 80 x 25 mm
Weight: 86 g
Noise Level: 39.0 dB(A)
Life Expectancy: 40,000 Hours at 40°C
Termination: 3-Wire Leads with Connector
Speed Signal: Tachometer Output (FG)
Frame 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
Safety Approvals: UL, CUL, TUV, CE

The AD0812UX-A76GL is frequently deployed in high-density server racks and workstation chassis where reliable heat dissipation is paramount. Its specific airflow characteristics make the AD0812UX-A76GL ideal for cooling CPU heatsinks and power supply units that require consistent static pressure to overcome fin resistance. Additionally, this model serves effectively in telecommunications equipment and industrial automation control panels, where maintaining optimal operating temperatures prevents component degradation. Integrators often select the AD0812UX-A76GL for retrofit applications in legacy hardware due to its standard form factor and balanced acoustic profile.

Supplemental Images