

AD0812UX-A7BGL ADDA 12VDC 80x80x25mm 0.33A Axial Fan Datasheet



Brand: ADDA

SKU: 992648725346

Category: Axial & Centrifugal Fans

Price: \$9.99

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Product Page:

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Product Description

The ADDA AD0812UX-A7BGL is a precision-engineered DC axial fan designed for high-thermal-density environments requiring efficient heat dissipation and reliability. Utilizing advanced Hypro (Hydraulic) bearing technology, this unit balances structural rigidity with reduced frictional coefficients, ensuring extended operational longevity and minimized acoustic resonance compared to standard sleeve bearings. The 80mm frame houses an aerodynamically optimized impeller that maximizes static pressure delivery while maintaining consistent airflow, making it suitable for restrictive intake or exhaust zones. Engineered with a 4-wire interface supporting PWM speed modulation, it allows for dynamic control of the thermal impedance curve relative to system load. This component is constructed to meet rigorous industrial standards, providing robust cooling performance for sensitive electronic assemblies and power regulation modules.

Model Number: AD0812UX-A7BGL

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Operating Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.33 A

Input Power: 3.96 W

Rated Speed: 4200 RPM

Bearing Type: Hypro (Hydraulic)

Max. Air Flow: 52.5 CFM (89.2 m³/h / 1.48 m³/min)

Max. Static Pressure: 4.8 mmH₂O (47.0 Pa / 0.19 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 86 g

Life Expectancy: 40,000 Hours @ 40°C

Termination: 4-Wire (PWM Control)

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Noise Level: 38.5 dB(A)

Ingress Protection: IP20

Operating Temperature: -10°C to +70°C

Safety Approvals: UL, CUL, TUV, CE

The ADDA AD0812UX-A7BGL is specifically engineered for integration into compact server chassis, industrial power supply units, and telecommunications enclosures where space constraints and thermal loads are critical factors. Its high-static pressure capabilities make the AD0812UX-A7BGL ideal for forcing air through dense heatsinks found in workstation CPUs and rack-mounted network appliances. Additionally, this model serves effectively in medical instrumentation and automated control cabinets, ensuring component stability during continuous operation.

Supplemental Images

