

AD0512HX-G70 ADDA 12VDC 50x50x10mm Hypro Axial Fan Datasheet



Brand: ADDA

SKU: [862833292796](#)

Category: Axial & Centrifugal Fans

Price: **\$10.99**

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Product Page:

<https://www.equipspares.com/product/ad0512hx-g70-adda-12vdc-50x50x10mm-hypro-axial-fan>

Product Description

The ADDA AD0512HX-G70 is a DC Axial Fan engineered for compact thermal management solutions requiring reliable airflow in restricted spaces. Utilizing ADDA's proprietary Hypro bearing technology, this unit bridges the gap between sleeve and ball bearings, offering extended service life and reduced friction coefficients. The 50mm frame is constructed from reinforced PBT plastic, ensuring structural rigidity and resistance to deformation under thermal stress. Designed with an optimized impeller geometry, the AD0512HX-G70 delivers efficient static pressure capabilities while maintaining a low noise profile, making it an ideal component for precision electronic cooling where thermal impedance must be minimized.

Model Number: AD0512HX-G70

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.15 A

Power Consumption: 1.80 W

Rated Speed: 5200 RPM

Bearing Type: Hypro Bearing

Max. Air Flow: 11.0 CFM (18.6 m³/h / 0.31 m³/min)

Max. Static Pressure: 2.79 mmH₂O (27.4 Pa / 0.11 inH₂O)

Dimensions: 50x50x10mm

Weight: 20 g

Noise Level: 29.0 dB(A)

Frame Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 2-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 40,000 Hours at 40°C

Safety Certifications: UL, CUL, TUV, CE

The AD0512HX-G70 is frequently integrated into compact power supply units, specifically battery chargers and adapters where heat dissipation is critical for component longevity. Its slim profile allows for seamless installation in tight enclosures found in network switches, portable medical instrumentation, and small form-factor industrial controllers. Engineers rely on the AD0512HX-G70 to maintain optimal operating temperatures in embedded systems and telecommunications equipment, ensuring consistent performance in continuous duty cycles.

Supplemental Images

