AD0412HX-G70 ADDA 12VDC 40x40x10mm Hypro Bearing Axial Fan Datasheet

Brand: ADDA

SKU: 990345899084

Category: Axial & Centrifugal Fans

Price: **$5.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ad0412hx-g70-adda-12vdc-40x40x10mm-hypro-bearing-axial-fan

Product Description

The ADDA AD0412HX-G70 is a precision-engineered DC axial fan designed for compact thermal management applications requiring a balance between airflow performance and acoustic discretion. Utilizing ADDA's proprietary Hypro bearing technology, this unit bridges the gap between sleeve and ball bearings, offering extended service life through an enhanced oil retention system and reduced friction coefficients. The 40mm frame houses a highly efficient brushless DC motor that optimizes torque delivery while maintaining low thermal impedance. Its aerodynamic impeller design ensures consistent airflow delivery against system impedance, making it an ideal solution for electronic components requiring reliable heat dissipation within restricted spatial envelopes. The structural rigidity of the UL94V-0 rated thermoplastic frame ensures durability under continuous operation.

Model Number: AD0412HX-G70
Brand: ADDA Corporation
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.10 A
Power Consumption: 1.20 W
Rated Speed: 6000 RPM
Bearing Type: Hypro Bearing

Max. Air Flow: 6.70 CFM (11.38 m^3/h / 0.19 m^3/min)
Max. Static Pressure: 2.79 mmH_2O (27.4 Pa / 0.11 inH_2O)
Dimensions: 40 x 40 x 10 mm
Weight: 18.0 g
Life Expectancy: 40,000 Hours at 40°C
Noise Level: 29.0 dB(A)
Housing Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Termination: 2-Wire Leads (Red +, Black -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Safety Approvals: UL, CUL, TUV, CE

The AD0412HX-G70 is frequently integrated into compact electronic assemblies where space is at a premium but thermal reliability cannot be compromised. Common deployment scenarios include chipset cooling in embedded systems, ventilation for DVR/NVR security recorders, and thermal regulation in portable medical instrumentation. The AD0412HX-G70 is also utilized in network switchgear and small-scale power supply units, ensuring critical components remain within safe operating temperature ranges to prevent thermal throttling or hardware failure.

Supplemental Images


ADDA
AD0412HX - G70
DC 12V 0.10A
HYPRO BEARING
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