AD0812MX-D70 ADDA 12VDC 80x80x15mm Hypro Bearing Axial Fan Datasheet

Brand: ADDA

SKU: 987578286125

Category: Axial & Centrifugal Fans

Price: **$8.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ad0812mx-d70-adda-12vdc-80x80x15mm-hypro-bearing-axial-fan

Product Description

The ADDA AD0812MX-D70 is a precision-engineered DC axial fan designed for applications requiring a balance between airflow efficiency and acoustic performance. Utilizing ADDA's proprietary Hypro bearing technology, this unit minimizes friction coefficients and thermal impedance, ensuring prolonged operational stability compared to standard sleeve bearings. The 80x80x15mm frame houses a specialized impeller geometry optimized for low-profile integration, delivering consistent static pressure in restricted environments. Constructed with high-grade thermoplastic meeting UL94V-0 flammability standards, the AD0812MX-D70 maintains structural rigidity under thermal stress. Its brushless DC motor architecture incorporates essential protection circuits, making it a reliable solution for continuous duty cycles in industrial and computing chassis thermal management systems.

Model Number: AD0812MX-D70
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.12 A
Input Power: 1.44 W
Rated Speed: 2800 RPM

Bearing Type: Hypro Bearing
Max. Air Flow: 28.6 CFM (48.5 m^3/h / 0.81 m^3/min)
Max. Static Pressure: 2.3 mmH_2O (22.5 Pa / 0.09 inH_2O)
Dimensions: 80 x 80 x 15 mm
Weight: 62 g
Noise Level: 29.0 dB(A)
Frame Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Termination: 2-Wire Leads (Red +, Black -)
Wire Length: 300 mm
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 40,000 Hours @ 40°C
Motor Protection: Impedance Protected
Safety Approvals: UL, CUL, TUV, CE

The AD0812MX-D70 is engineered for versatile thermal regulation in compact electronic assemblies where vertical clearance is limited. Common deployment scenarios include 1U and 2U server chassis, network switchgear, and compact power supply units requiring reliable forced convection. Additionally, the AD0812MX-D70 is frequently utilized in industrial automation control panels and medical instrumentation cooling, where its slim 15mm profile allows for seamless integration without compromising internal component density or airflow pathways.

Supplemental Images


ADDA
MODEL AD0812MX-D70
DC 12 V
0.12 A
(T)
S
HM
HYPRO BEARING
ZP