AD01703HX04AB00 ADDA 3.3VDC 17mm Hypro Micro Fan Datasheet

Brand: ADDA

SKU: 988781708341

Category: Axial & Centrifugal Fans

Price: **$12.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ad01703hx04ab00-adda-3-3vdc-17mm-hypro-micro-fan

Product Description

The ADDA AD01703HX04AB00 is a precision-engineered micro axial fan designed for ultra-compact thermal management applications where space is critically limited. Utilizing ADDA's proprietary Hypro bearing technology, this unit bridges the gap between sleeve and ball bearings, offering extended service life and reduced oil leakage risks while maintaining a low acoustic profile. The 3.3VDC motor architecture is optimized for low-voltage electronics, ensuring efficient airflow delivery within restricted enclosures. Its structural rigidity and aerodynamic blade design minimize thermal impedance, making it an ideal solution for handheld devices and miniature circuitry requiring reliable forced convection cooling.

Model Number: AD01703HX04AB00
Brand: ADDA
Product Type: DC Micro Axial Fan
Rated Voltage: 3.3 VDC
Voltage Range: 2.8 - 3.5 VDC
Rated Current: 0.15 A
Input Power: 0.50 W
Rated Speed: 12000 RPM (Nominal)
Bearing Type: Hypro (Hydro-Dynamic)
Max. Air Flow: 0.65 CFM (1.1 m^3/h)

Max. Static Pressure: 1.85 mmH_2O (18.1 Pa)
Dimensions: 17mm x 17mm x 4mm
Weight: 1.5 g
Life Expectancy: 30,000 Hours at 40°C
Noise Level: 22.0 dB(A)
Termination: 2-Wire Leads (Red/Black)
Frame Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP40
Mounting Orientation: Any
Compliance: RoHS, CE, UL

This micro cooling solution is specifically engineered for portable electronics and miniature computing platforms where space is at a premium. The AD01703HX04AB00 is frequently integrated into mobile internet devices, micro-projectors, and handheld GPS units to prevent thermal throttling. Additionally, the AD01703HX04AB00 serves as a critical component in sensor nodes and compact medical instrumentation, ensuring stable operation by effectively dissipating heat from dense PCB layouts.

Supplemental Images


ADDA
AD01703HX04AB00
DC 3.3V
0.15A 07N5 (00TX)
HYPRO BEARING
EP
AB
K
CE