AD0412HB-D52 ADDA 12VDC 40x40x15mm 3-Wire Axial Fan Datasheet

Brand: ADDA

SKU: 673376391958

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ad0412hb-d52-adda-12vdc-40x40x15mm-3-wire-axial-fan

Product Description

The ADDA AD0412HB-D52 is a precision-engineered DC Axial Fan designed for high-density thermal management applications. Featuring a robust Brushless DC motor architecture paired with a durable Double Ball Bearing system, this unit ensures minimized friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes static pressure delivery while maintaining low acoustic signatures, effectively reducing thermal impedance in compact enclosures. Constructed with high-grade thermoplastic UL94V-0 housing, the AD0412HB-D52 offers superior structural rigidity and reliability for critical industrial environments requiring consistent airflow performance.

Model Number: AD0412HB-D52
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.15 A
Input Power: 1.80 W
Rated Speed: 7800 RPM
Bearing Type: Double Ball Bearing
Max. Air Flow: 8.80 CFM (14.95 m^3/h / 0.25 m^3/min)

Max. Static Pressure: 6.35 mmH_2O (62.27 Pa / 0.25 inH_2O)
Dimensions: 40 x 40 x 15 mm
Weight: 29 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 34.0 dB(A)
Speed Control: 3-Wire (Tachometer/Signal)
Housing Material: PBT Thermoplastic (UL94V-0)
Blade Material: PBT Thermoplastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Termination: Lead Wires (Red +, Black -, Yellow Signal)
Certifications: UL, CUL, TUV, CE

The AD0412HB-D52 is engineered for deployment in space-constrained electronic assemblies where reliable heat dissipation is paramount. Common integration environments include 1U server rack power supplies, compact telecommunications switches, and industrial CNC control modules requiring active cooling. The AD0412HB-D52 is also frequently utilized in medical diagnostic equipment and network routers, providing consistent airflow to prevent thermal throttling in sensitive semiconductor components.

Supplemental Images