AS04012UB285BA1 ADDA 12VDC 40x40x20mm 4-Wire Axial Fan Datasheet

Brand: ADDA

SKU: 988789760026

Category: Axial & Centrifugal Fans

Price: **$17.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/as04012ub285ba1-adda-12vdc-40x40x20mm-4-wire-axial-fan

Product Description

The ADDA AS04012UB285BA1 is a high-performance DC Axial Fan engineered for demanding thermal management applications requiring substantial airflow in a compact form factor. Utilizing advanced brushless DC motor technology combined with a precision ball bearing system, this unit ensures reduced friction and optimized longevity under continuous operation. The aerodynamic impeller design minimizes turbulence while maximizing static pressure, effectively lowering thermal impedance in dense electronic enclosures. Its robust frame construction provides structural rigidity, making it suitable for high-vibration environments and critical industrial cooling tasks.

Model Number: AS04012UB285BA1
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.62 A
Power Consumption: 7.44 W
Dimensions: 40 x 40 x 20 mm
Bearing Type: Ball Bearing
Rated Speed: 13000 RPM (Nominal)
Max. Air Flow: 24.0 CFM (40.7 m^3/h)

Max. Static Pressure: 1.45 inH_2O (361 Pa)
Noise Level: 52.0 dB(A)
Termination: 4-Wire (Lead Wires)
Wire Function: Red (+), Black (-), Yellow (Tach/FG), Blue (PWM)
Frame Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Safety Certifications: UL, CUL, TUV, CE
Motor Protection: Locked Rotor Protection, Polarity Protection
Weight: 45 g

Designed for high-density electronic cooling, the AS04012UB285BA1 excels in 1U server rack chassis and telecommunications equipment where space is limited but heat dissipation requirements are critical. The AS04012UB285BA1 is frequently integrated into network switches, industrial power supplies, and compact embedded systems, ensuring reliable thermal regulation for sensitive components.

Supplemental Images