AB05012DX200600 ADDA 12VDC 0.15A 50x50x20mm Blower Fan Datasheet

Brand: ADDA

SKU: 1001286218620

Category: Axial & Centrifugal Fans

Price: **$21.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ab05012dx200600-adda-12vdc-0-15a-50x50x20mm-blower-fan

Product Description

The ADDA AB05012DX200600 is a 12VDC 50x50x20mm Blower Fan optimized for high-impedance thermal management in confined optical environments. This centrifugal blower utilizes a high-precision dual ball bearing architecture to ensure structural rigidity and long-term reliability under continuous operation. The aerodynamic impeller design is engineered to overcome significant backpressure, maintaining a rated current of 0.15A and delivering concentrated airflow to critical components. By minimizing thermal impedance within compact housings, this unit provides the necessary static pressure to prevent heat soak in high-intensity light engine assemblies.

Model Number: AB05012DX200600
Brand: ADDA
Product Type: Blower Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.15 A
Power: 1.80 W
Rated Speed: 4500 RPM
Bearing Type:Hypro Bearing
Max. Air Flow: 4.20 CFM (7.14 m^3/h)
Max. Static Pressure: 12.40 mmH_2O (121.6 Pa)

Dimensions: 50 x 50 x 20 mm
Weight: 35 g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: 3-Wire (Tachometer/Signal Output)
Housing Material: UL94V-0 Reinforced Plastic
Blade Material: UL94V-0 Reinforced Plastic
Termination: 3-Pin Lead Wires
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +75 °C
Protection Features: Locked Rotor Protection, Reverse Polarity Protection
Certifications: CE, TUV, UL, RoHS

AB05012DX200600 Applications

1. DLP/LCD Projector Light Engines: Provides the high static pressure required to force air through dense optical filters and lamp modules to prevent thermal degradation.
2. BenQ Projector Replacement Fan: Engineered as a direct-fit mechanical replacement for specific BenQ chassis, ensuring original equipment manufacturer (OEM) airflow curves are maintained.
3. Compact Embedded Systems: Ideal for 1U or sub-1U enclosures where lateral exhaust is necessary due to vertical clearance constraints.

Supplemental Images


PBT-(GF30)