AY04512UB10BB00 ADDA 12VDC 0.22A 45mm Graphics Card Fan Datasheet

Brand: ADDA

SKU: 1038704632048

Category: Axial & Centrifugal Fans

Price: **$18.57**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ay04512ub10bb00-adda-12vdc-0-22a-45mm-graphics-card-fan

Product Description

The ADDA AY04512UB10BB00 is a high-performance DC axial fan engineered for precision thermal management in space-constrained electronic assemblies. Operating at a nominal 12VDC with a current draw of 0.22A, this unit utilizes a dual ball bearing system to ensure extended service life and rotational stability under continuous duty cycles. The 45mm circular frame is specifically optimized for low-profile heat sink integration, featuring a triangular mounting pattern with 35mm and 27mm hole spacing to accommodate specialized semiconductor cooling requirements. Its aerodynamic blade profile is designed to maximize static pressure while maintaining a compact 10mm to 15mm thickness profile, essential for high-density component layouts.

AY04512UB10BB00 Specifications
Model Number: AY04512UB10BB00
Brand: ADDA
Category: DC Axial Fan / GPU Cooling Fan
Rated Voltage: 12VDC
Operating Voltage Range: 10.2 to 13.8VDC
Rated Current: 0.22A
Power Consumption: 2.64W
Fan Diameter: 45mm
Frame Shape: Round / Semi-circular

Mounting Hole Spacing: 35mm x 35mm x 27mm (Triangular/Asymmetric)
Bearing Type: Dual Ball Bearing
Wiring Interface: 3-Wire or 4-Wire (Model Dependent)
Connector Type: Small 3-Pin / 4-Pin PH2.0 or equivalent
Blade Material: UL94V-0 Thermoplastic
Frame Material: UL94V-0 Thermoplastic
Speed Class: Ultra High (UB Designation)
Life Expectancy: 70,000 Hours at 40°C
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Safety Approvals: CE, TUV, UL Recognized

AY04512UB10BB00 Applications

Primary thermal dissipation for low-profile graphics processing units (GPU), soft routers, and embedded industrial motherboards. Integrated cooling for compact network switches, hardware firewalls, and small form factor (SFF) telecommunications equipment requiring high-reliability airflow in restricted enclosures.

Supplemental Images