

AD0512LB-G72(BT1) ADDA 12VDC 50x50x10mm 3-Wire Axial Fan Datasheet



Brand: ADDA

SKU: [822433357637](#)

Category: Axial & Centrifugal Fans

Price: **\$15.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ad0512lb-g72bt1-adda-12vdc-50x50x10mm-3-wire-axial-fan>

Product Description

The ADDA AD0512LB-G72(BT1) is a precision-engineered DC axial fan designed for applications requiring a compact thermal solution with minimal acoustic signature. Utilizing advanced brushless DC motor technology, this unit ensures consistent torque delivery and operational stability. The architecture incorporates a durable double ball bearing system, significantly enhancing structural rigidity and longevity compared to sleeve bearing alternatives. Its aerodynamic impeller design optimizes airflow efficiency while maintaining low thermal impedance, making it suitable for restricted spaces where heat dissipation is critical. The 3-wire configuration supports speed monitoring, allowing for precise system feedback and thermal management integration.

Model Number: AD0512LB-G72(BT1)

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.09 A

Input Power: 1.08 W

Rated Speed: 4200 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 9.0 CFM (15.29 m³/h / 0.25 m³/min)

Max. Static Pressure: 1.78 mmH₂O (17.45 Pa / 0.07 inH₂O)

Dimensions: 50 x 50 x 10 mm

Weight: 18 g

Noise Level: 22.0 dB(A)

Frame Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Termination: 3-Wire Leads (Red +, Black -, Yellow Signal)

Signal Output: Tachometer (FG Signal)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Ingress Protection: IP20

Safety Certifications: UL, CUL, TUV, CE

This cooling solution is specifically engineered for compact electronic assemblies where space constraints and noise reduction are paramount. The AD0512LB-G72(BT1) is frequently deployed in small form-factor power supplies, network switches, and portable instrumentation. Its low-profile design allows for seamless integration into DVR systems and media servers requiring reliable thermal regulation without acoustic interference. Furthermore, the AD0512LB-G72(BT1) serves as an effective component in localized cooling for chipset heatsinks and embedded industrial controllers, ensuring component stability during continuous operation.

Supplemental Images

