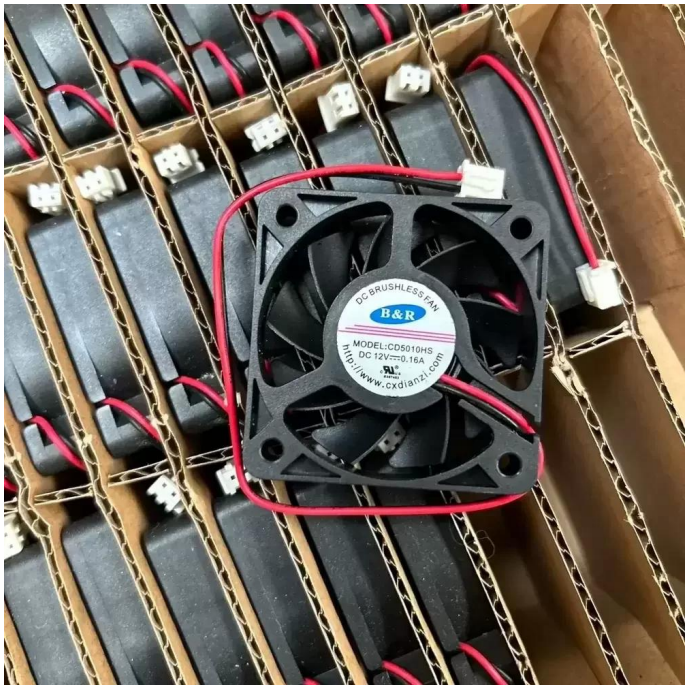
CD5010HS B&R 12VDC 50x50x10mm 0.16A Industrial Fan Datasheet



SKU: 751784904314

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/cd5010hs-br-12vdc-50x50x10mm-0-16a-industrial-fan

Product Description

The B&R CD5010HS is a compact DC Axial Fan engineered for efficient thermal management in space-constrained electronic assemblies. Utilizing a precision bearing architecture, this unit minimizes friction while maintaining structural rigidity under continuous operation. The aerodynamic blade design optimizes airflow delivery, effectively reducing thermal impedance within high-density enclosures. Designed for 12VDC systems, the CD5010HS balances power consumption with static pressure capabilities, making it a reliable solution for maintaining component stability in industrial environments and preventing thermal saturation in critical hardware.

Model Number: CD5010HS
Brand: B&R
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.16 A
Power Consumption: 1.92 W
Dimensions: 50 x 50 x 10 mm
Bearing Type: Precision Sleeve Bearing
Rated Speed: 5500 RPM (Nominal)
Max. Air Flow: 10.5 CFM (17.8 m^3/h)

Max. Static Pressure: 2.5 mmH_2O (24.5 Pa)
Noise Level: 28 dBA
Termination: 2-Wire Lead (Red/Black)
Housing Material: PBT Thermoplastic (UL94V-0)
Blade Material: PBT Thermoplastic (UL94V-0)
Mounting Hole Distance: 40.0 x 40.0 mm
Operating Temperature: -10°C to +70°C
Life Expectancy: 30,000 Hours at 25°C
Condition: New Original

The CD5010HS is frequently integrated into compact electronic devices requiring active cooling, such as small form-factor power supplies, DVR systems, and network switches. Its slim profile allows for installation in tight spaces within industrial automation panels and 3D printer controller boards. Engineers rely on the CD5010HS to prevent thermal throttling in chipset cooling applications and telecommunications equipment where consistent airflow is critical for long-term reliability.

Supplemental Images