

DS05010R12L-012 AVC 12VDC 50x50x10mm Axial Fan Datasheet



Brand: AVC

SKU: [684757897116](#)

Category: Industrial Fans

Price: **\$12.99**

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Product Page: <https://www.equipspares.com/product/ds05010r12l-012-avc-12vdc-50x50x10mm-axial-fan>

Product Description

AVC DS05010R12L-012 is a 12VDC 50x50x10mm Axial Fan optimized for low-profile thermal management in space-constrained electronic enclosures. Utilizing advanced hydraulic bearing architecture, this unit minimizes thermal impedance while maintaining structural rigidity in high-cycle environments. The aerodynamic impeller design is engineered for silent operation, drawing only 0.14A at a rated speed of approximately 3500 RPM. This DC axial fan provides a reliable cooling solution for sensitive components, ensuring stable performance by mitigating heat soak in compact PCB layouts.

Model Number: DS05010R12L-012

Brand: AVC

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.14A

Power: 1.68W

Rated Speed: 3500 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 9.5 CFM (16.1 m³/h)

Max. Static Pressure: 2.1 mmH₂O (20.6 Pa)

Dimensions: 50x50x10mm

Weight: 20g

Life Expectancy: 40,000 Hours at 40C

Noise Level: 22.0 dBA

Housing Material: UL94V-0 Plastic

Blade Material: UL94V-0 Plastic

Termination: 3-Pin Lead Wires

Operating Temperature: -10C to +70C

Protection: Auto-Restart, Polarity Protection

DS05010R12L-012 Applications

1. Motherboard Chipset Cooling: Low-profile 10mm depth allows for installation on Northbridge or Southbridge heatsinks without interfering with PCIe expansion cards.
2. 1U Network Appliances: High static pressure relative to size overcomes internal impedance in shallow rackmount switches and firewalls.
3. Embedded Industrial PCs: Low-vibration hydraulic bearings ensure longevity in 24/7 industrial automation controllers where acoustic noise must be minimized.

Supplemental Images

