

DS04020B12U-125 AVC 12VDC 40x40x20mm Dual Ball Axial Fan Datasheet



Brand: AVC

SKU: 826386803159

Category: Axial & Centrifugal Fans

Price: **\$9.99**

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Product Page:

<https://www.equipspares.com/product/ds04020b12u-125-avc-12vdc-40x40x20mm-dual-ball-axial-fan>

Product Description

The AVC DS04020B12U-125 is a precision-engineered DC Axial Fan designed for high-density thermal management applications. Featuring a robust Dual Ball Bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes airflow while maintaining structural rigidity, effectively reducing thermal impedance in compact electronic enclosures. Engineered by Asia Vital Components (AVC), the DS04020B12U-125 delivers reliable cooling performance, making it an essential component for maintaining system stability in demanding industrial environments.

Model Number: DS04020B12U-125

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.25 A

Power Consumption: 3.00 W

Rated Speed: 9000 RPM ($\pm 10\%$)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 13.50 CFM (22.94 m³/h / 0.38 m³/min)

Max. Static Pressure: 10.50 mmH₂O (102.97 Pa / 0.41 inH₂O)

Dimensions: 40 x 40 x 20 mm

Weight: 35 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 42.0 dB(A)

Termination: 3-Wire Lead (Red +, Black -, Yellow Tach)

Speed Control: Tachometer Output (FG Signal)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Safety Certifications: UL, CUL, TUV, CE

The DS04020B12U-125 is specifically calibrated for compact electronic assemblies requiring high static pressure to overcome system resistance. Common deployment scenarios include 1U server rack cooling, network switches, and industrial power supply units where space is at a premium. The DS04020B12U-125 is also frequently utilized in medical instrumentation and telecommunications equipment, ensuring critical components remain within safe operating temperature ranges to prevent thermal throttling or hardware failure.

Supplemental Images

