

DS05020B24U AVC 24V 0.30A 5CM silent cooling fan

SKU: 903619951703

Price: \$9.99

Categories: Fans

Tags: AVC

Product Link:

<https://www.electspares.com/product/ds05020b24u-avc-24v-0-30a-5cm-silent-cooling-fan/>

Product Description

Original/new AVC DS05020B24U 5020 24V 0.30A 5CM silent cooling fan

Manufacturer: AVC (Asia Vital Components)

Fan Type: DC Brushless Axial Fan

Dimensions (L x H x W): 50 mm x 50 mm x 20 mm (Often referred to as "5020" fan, 1.97" x 1.97" x 0.79")

Rated Voltage: 24 VDC

Rated Current: 0.30 A

Input Power: 7.2 W (Calculated from 24V * 0.30A)

Wiring: 3 Lead Wires (Positive, Negative, and a speed sensor/tachometer output)

Bearing Type: Double Ball Bearing (for enhanced durability and longer operational life)

Rotational Speed (RPM): Specific RPM is not consistently listed across all sources, but for a fan of this size, voltage, and current, it would be a high-speed fan, likely in the range of 5000-7000 RPM.

Maximum Airflow: Specific CFM/m³/min is not consistently listed, but would be moderate to high for its size.

Maximum Static Pressure: Specific in H₂O/Pa is not consistently listed.

Noise Level: Specific dB(A) is not consistently listed, but given the high speed for cooling, it would likely be audible, probably in the 35-45 dB(A) range.

Frame Material: Plastic

Impeller (Blade) Material: Plastic

Sensor/Control: Speed Sensor (Tachometer output for RPM monitoring)

Protection Functions: Typically includes Locked Rotor Protection and Reverse Polarity

Protection, common for AVC DC fans.

Operating Temperature Range: Not consistently specified, but generally -10°C to +70°C for DC

fans.

Expected Life (L10): Not consistently specified, but double ball bearing fans generally offer long lifespans (e.g., 50,000 hours or more).

The AVC DS05020B24U is a compact 50x50x20mm DC axial fan, widely recognized as a "5020" type, designed for effective cooling in space-constrained electronic devices like inverters. Operating on 24VDC with a current draw of 0.30A and consuming 7.2W of power, it utilizes durable double ball bearings for extended reliability. This fan typically features a 3-wire connection, including a speed sensor for monitoring, and provides moderate to high airflow at high RPM, offering a robust thermal management solution in its small form factor.

Product Images









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