

# DB09225B48U-051 AVC 48VDC 92x92x25mm Server Axial Fan Datasheet



**Brand:** AVC

**SKU:** 955354201085

**Category:** Axial & Centrifugal Fans

**Price:** \$17.99

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/db09225b48u-051-avc-48vdc-92x92x25mm-server-axial-fan>

## Product Description

The AVC DB09225B48U-051 is a precision-engineered DC axial fan designed for critical thermal management in high-density industrial environments. Utilizing advanced dual ball bearing architecture, this unit ensures minimized frictional coefficients and extended operational longevity under continuous load conditions. The aerodynamic impeller geometry is optimized to deliver high static pressure while maintaining structural rigidity, effectively overcoming high thermal impedance in dense electronic enclosures. Constructed with UL94V-0 rated thermoplastic, the DB09225B48U-051 provides robust reliability for demanding cooling applications requiring stable airflow, significant vibration resistance, and efficient heat dissipation.

Model Number: DB09225B48U-051

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 0.26 A

Power Input: 12.48 W

Rated Speed: 4200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 78.5 CFM (133.3 m<sup>3</sup>/h / 2.22 m<sup>3</sup>/min)

Max. Static Pressure: 11.2 mmH<sub>2</sub>O (109.8 Pa / 0.44 inH<sub>2</sub>O)

Dimensions: 92 x 92 x 25 mm

Weight: 110 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 46.5 dB(A)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Termination: 2-Wire Lead (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Safety Certifications: CE, UL, TUV

This cooling solution is specifically engineered for high-availability systems such as telecommunications base stations and rack-mounted server infrastructure. The DB09225B48U-051 excels in environments where consistent static pressure is required to force air through dense component arrays or heatsinks. Additionally, the DB09225B48U-051 is frequently utilized in industrial automation control panels and power supply units, ensuring thermal stability for sensitive electronics in 24/7 operational cycles.

## Supplemental Images

---

