

DBPK0428B2SY061 AVC 12VDC 40x40x28mm 3.00A Server Axial Fan Datasheet



Brand: AVC

SKU: [702474280337](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

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Product Page:

<https://www.equipspares.com/product/dbpk0428b2sy061-avc-12vdc-40x40x28mm-3-00a-server-axial-fan>

Product Description

The AVC DBPK0428B2SY061 is a high-performance DC axial fan designed for mission-critical thermal management in high-density electronic environments. Engineered with a robust Dual Ball Bearing architecture, this unit ensures exceptional longevity and stability under continuous high-speed operation. The aerodynamic impeller design is optimized to deliver massive static pressure and airflow, overcoming significant system impedance found in tightly packed 1U server chassis. Utilizing a 4-wire PWM control interface, it allows for precise speed modulation, balancing thermal dissipation with energy efficiency. The structural rigidity of the thermoplastic frame minimizes vibration, ensuring reliability in industrial applications.

Model Number: DBPK0428B2SY061

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 3.00 A

Power Consumption: 36.00 W

Rated Speed: 23000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 32.5 CFM (55.2 m³/h / 0.92 m³/min)

Max. Static Pressure: 3.85 inH₂O (958 Pa / 97.7 mmH₂O)

Dimensions: 40 x 40 x 28 mm

Weight: 55 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Noise Level: 62.0 dB(A)

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: 4-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

The DBPK0428B2SY061 is specifically engineered for high-impedance applications requiring concentrated airflow, such as 1U rackmount servers and high-performance power supply units. Its compact 40mm footprint allows for integration into dense blade servers and telecommunications equipment where space is at a premium but thermal loads are extreme. The DBPK0428B2SY061 is also utilized in specialized industrial cooling solutions, including RAID arrays and network switches, ensuring components remain within safe operating temperature ranges during peak processing loads.

Supplemental Images

