

# DBPK0428B2U AVC 12V DC Axial Fan 40mm

**SKU:** DBPK0428B2U

**Price:** \$9.99

**Categories:** Fans

**Tags:** AVC

**Product Link:**

<https://www.electspares.com/product/dbpk0428b2u-avc-12v-dc-axial-fan-40mm/>

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## Product Description

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The AVC DBPK0428B2U is a high-performance MINI DC Axial Fan with dimensions of 40 x 40 x 28 mm. It operates on a nominal voltage of 12 VDC. The fan achieves a high speed of 7500 RPM, consuming 24.0 W of power and drawing a maximum current of 2.00 A. It delivers a maximum air flow of 7.6 m<sup>3</sup>/h (4.5 CFM) and a maximum static pressure of 120.0 Pa (0.48 inAq). This 5-blade fan features a durable Ball Bearing system and a 4-wire termination for PWM control and speed monitoring, making it ideal for extreme high-density electronics cooling.

DBPK0428B2U Fan Parameters

Model: DBPK0428B2U

Manufacturer: AVC (Asia Vital Components)

Type: MINI DC Axial Fan

Dimensions (measuring): 40 x 40 x 28 mm (Housing)

Nominal Voltage: 12 VDC

Voltage Range: 10.8 VDC ~ 13.2 VDC

Speed: 7500 RPM

Power Consumption: 24.0 W

Current Draw: 2.00 A

Max. Airflow: 7.6 m<sup>3</sup>/h (4.5 CFM)

Max. Static Pressure: 120.0 Pa (0.48 inAq)

Noise Level: 35.0 dB(A)

Weight: 0.025 kg

Housing Material: Thermoplastic (UL94V-0)

Impeller Material: Thermoplastic (UL94V-0)

Number of Blades: 5

Bearing Type: Ball Bearing

Motor Design: Brushless DC Motor

Motor Protection: Locked Rotor Protection, Auto-Restart

Termination: 4 Wire Leads

Monitor Output: Yes (Tachometer/FG and PWM Control)

Service Life L10 at 40 °C: 50000 h

Min. Ambient Temperature: -10 °C

Max. Ambient Temperature: 70 °C

Approvals: UL, CE

#### Application

The AVC DBPK0428B2U fan is engineered to provide high-velocity airflow in compact electronic assemblies where space is limited and active cooling with PWM control is necessary. Primary applications for the DBPK0428B2U include cooling micro-servers, 1U rack equipment, network routers, and high-performance computing modules.

## **Product Images**

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