

DB04028B12U-P029 AVC 12VDC 40x40x28mm 0.66A Axial Fan Datasheet



Brand: AVC

SKU: [773483352532](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/db04028b12u-p029-avc-12vdc-40x40x28mm-0-66a-axial-fan>

Product Description

The AVC DB04028B12U-P029 is a high-density DC axial fan engineered for mission-critical thermal management in compact enclosures. Utilizing advanced brushless DC motor technology paired with a dual ball bearing architecture, this unit ensures exceptional rotational stability and longevity under continuous operation. The 40x40x28mm frame design optimizes aerodynamic throughput, delivering significant static pressure required to overcome high thermal impedance in dense server racks and telecommunications equipment. Its robust structural rigidity and precision-balanced impeller minimize vibration, making it an ideal solution for applications demanding high airflow-to-size ratios and reliable heat dissipation performance.

Model Number: DB04028B12U-P029

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.66 A

Power Input: 7.92 W

Rated Speed: 13000 RPM ($\pm 10\%$)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 24.5 CFM (41.6 m³/h / 0.69 m³/min)

Max. Static Pressure: 1.45 inH₂O (36.8 mmH₂O / 361 Pa)

Dimensions: 40 x 40 x 28 mm

Weight: 48 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 54.0 dB(A)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP40

Insulation Class: Class A

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: 4-Wire Leads (PWM Control)

Safety Certifications: UL, TUV, CE, RoHS

Motor Protection: Locked Rotor Protection, Polarity Protection

Designed for high-density computing environments, the DB04028B12U-P029 excels in 1U server chassis and rack-mount network appliances where space is limited but heat generation is high. The DB04028B12U-P029 is frequently integrated into redundant array of independent disks (RAID) controllers, power supply units, and industrial automation systems requiring forced air cooling through dense heatsinks. Its compact footprint allows for seamless integration into telecommunications switches and specialized medical instrumentation.

Supplemental Images

