

2B06038B12S-P044 AVC 12VDC 60x60x38mm PWM Axial Fan Datasheet



Brand: AVC

SKU: [711928337531](#)

Category: Axial & Centrifugal Fans

Price: **\$7.99**

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Product Page:

<https://www.equipspares.com/product/2b06038b12s-p044-avc-12vdc-60x60x38mm-pwm-axial-fan>

Product Description

The AVC 2B06038B12S-P044 is a high-performance DC Axial Fan engineered specifically for mission-critical thermal management in dense server environments and network infrastructure. Utilizing advanced Dual Ball Bearing architecture, this unit ensures exceptional rotational stability and longevity under continuous high-load operations, significantly reducing the risk of mechanical failure. The aerodynamic impeller design is optimized to overcome significant system impedance, delivering concentrated airflow and high static pressure essential for cooling high-density components like CPUs and power supplies. Its 4-wire PWM control interface allows for precise speed modulation, balancing thermal performance with acoustic output, while the robust frame construction maintains structural rigidity against vibration and mechanical stress.

Model Number: 2B06038B12S-P044

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 1.80 A

Power Consumption: 21.6 W

Rated Speed: 12000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 68.5 CFM (116.3 m³/h)

Max. Static Pressure: 48.2 mmH₂O (472 Pa / 1.90 inH₂O)

Dimensions: 60 x 60 x 38 mm

Weight: 115 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: 4-Wire PWM (Pulse Width Modulation)

Termination: 4-Wire Lead with B3 4P Connector

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Safety Certifications: CE, TUV, UL

This cooling solution is specifically calibrated for high-impedance applications such as enterprise server racks, Huawei network switches, and telecommunications equipment. The 2B06038B12S-P044 excels in environments requiring rapid heat dissipation from tightly packed electronics, including RAID arrays and industrial power supplies. Furthermore, the 2B06038B12S-P044 is frequently utilized in custom cooling modifications for workstations and crypto mining rigs where standard cooling is insufficient to prevent thermal throttling.

Supplemental Images

