

DBTC0638B2S-P088 AVC 12VDC 60x60x38mm 1.85A Axial Fan Datasheet



Brand: AVC

SKU: [1015471231888](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

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Product Page:

<https://www.equipspares.com/product/dbtc0638b2s-p088-avc-12vdc-60x60x38mm-1-85a-axial-fan>

Product Description

The AVC DBTC0638B2S-P088 is a high-performance DC axial fan engineered for critical thermal management in high-density electronic environments. Utilizing advanced DC motor technology paired with a robust dual ball bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous high-speed loads. The aerodynamic blade design is optimized to reduce thermal impedance while maintaining structural rigidity, delivering exceptional airflow relative to its compact footprint. Designed for precision cooling, the DBTC0638B2S-P088 provides the necessary static pressure to overcome significant system resistance, making it a reliable component for maintaining thermal equilibrium in restricted enclosures.

Model Number: DBTC0638B2S-P088

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 1.85 A

Power Consumption: 22.2 W

Rated Speed: 13000 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 67.85 CFM (115.2 m³/h / 1.92 m³/min)

Max. Static Pressure: 48.26 mmH₂O (473.2 Pa / 1.90 inH₂O)

Dimensions: 60x60x38mm

Weight: 115 g

Life Expectancy: 70,000 Hours at 40°C

Termination: 4-Wire Lead with 4-Pin Connector

Speed Control: PWM (Pulse Width Modulation)

Sensor Output: Tachometer (RPM Signal)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Certifications: CE, UL, TUV

The DBTC0638B2S-P088 is specifically calibrated for high-demand industrial and enterprise applications, particularly within 1U and 2U server rack chassis where back-pressure is significant. Its compact yet powerful form factor allows for seamless integration into dense blade servers, redundant power supply units, and telecommunications equipment requiring forced air convection. Additionally, the DBTC0638B2S-P088 serves effectively in precision medical instrumentation and CNC control cabinets, ensuring critical components remain within safe thermal operating limits during continuous operation.

Supplemental Images

