

DBTB0838B2S-P091 AVC 12VDC 80x80x38mm 2.10A Axial Fan Datasheet



Brand: AVC

SKU: 943991521286

Category: Axial & Centrifugal Fans

Price: \$13.99

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Product Page:

<https://www.equipspares.com/product/dbtb0838b2s-p091-avc-12vdc-80x80x38mm-2-10a-axial-fan>

Product Description

The AVC DBTB0838B2S-P091 is a high-performance DC Axial Fan engineered for mission-critical thermal management in high-density server environments. Utilizing a robust Dual Ball Bearing architecture, this unit ensures exceptional longevity and structural rigidity under continuous operation. The aerodynamic impeller design is optimized to deliver high static pressure, effectively overcoming significant thermal impedance within restricted chassis spaces. Operating at 12VDC with a current draw of 2.10A, it provides substantial airflow capabilities required for rapid heat dissipation in industrial and computing applications.

Model Number: DBTB0838B2S-P091

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 2.10 A

Power Consumption: 25.2 W

Rated Speed: 9000 RPM (Estimated)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 102.5 CFM (174.1 m³/h / 2.90 m³/min)

Max. Static Pressure: 28.5 mmH₂O (279.5 Pa / 1.12 inH₂O)

Dimensions: 80x80x38mm

Weight: 195 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Noise Level: 61.5 dB(A)

Safety Certifications: UL, CUL, TUV, CE

Protection: Locked Rotor Protection, Polarity Protection

Designed primarily for high-static pressure environments, the DBTB0838B2S-P091 excels in server chassis cooling and rack-mounted equipment where airflow is restricted by dense componentry. This model is frequently integrated into enterprise computing systems, telecommunications base stations, and industrial automation enclosures requiring aggressive heat evacuation. The DBTB0838B2S-P091 ensures reliable thermal regulation for CPUs and power supplies, maintaining optimal operating temperatures in 24/7 operational scenarios.

Supplemental Images

