

DBTB0428B2G-P311 AVC 12VDC 1.00A 40x40x28mm Server Cooling Fan Datasheet



Brand: AVC

SKU: 1038834788384

Category: Axial & Centrifugal Fans

Price: \$17.99

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Product Page:

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Product Description

The AVC DBTB0428B2G-P311 is a 40 x 40 x 28 mm DC axial fan operating at a nominal 12 VDC and 12 W, delivering a high-velocity airflow of 19.4 CFM. Constructed with a durable plastic frame and impeller, this unit utilizes a high-precision dual ball bearing system to ensure a prolonged operational lifespan of 70000 hours. The fan features a 4-wire interface with a 4-pin connector, enabling PWM intelligent temperature control and precise speed measurement up to 18000 RPM. Engineered for maximum thermal dissipation, it operates within a voltage range of 7.0 to 13.4 VDC while generating an acoustic profile of 54 dBA.

DBTB0428B2G-P311 Specifications

Model Number: DBTB0428B2G-P311

Brand: AVC (Asia Vital Components)

Product Category: DC Axial Server Fan

Dimensions: 40 x 40 x 28 mm

Rated Voltage: 12 VDC

Operating Voltage Range: 7.0 to 13.4 VDC

Rated Current: 1.00 A

Power Consumption: 12 W

Maximum Rotational Speed: 18000 RPM

Maximum Airflow: 19.4 CFM

Acoustic Noise Level: 54 dBA

Bearing Type: Dual Ball Bearing

Life Expectancy: 70000 Hours

Interface: 4-Wire, 4-Pin Connector

Cable Length: 25 cm

Control Features: PWM Intelligent Temperature Control, Speed Measurement

Material: Plastic Frame and Impeller

DBTB0428B2G-P311 Applications

Primary applications include integration into high-density rack-mount servers, telecommunications base stations, and industrial CNC spindle cooling systems. Deployed within compact power inverters, 3D printer control boards, and enterprise networking switches where aggressive thermal management is required within constrained dimensional footprints.

Supplemental Images

