

DBTD1551B8U-P063 AVC 48VDC 172x150x51mm PWM Axial Fan Datasheet



Brand: AVC

SKU: 936997984262

Category: Axial & Centrifugal Fans

Price: **\$80.99**

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Product Page:

<https://www.equipspares.com/product/dbtd1551b8u-p063-avc-48vdc-172x150x51mm-pwm-axial-fan>

Product Description

The AVC DBTD1551B8U-P063 is a high-performance DC axial fan engineered for critical thermal management in industrial enclosures and server cabinets. Utilizing a robust ball bearing architecture, this unit is designed to withstand continuous operation while minimizing frictional wear and thermal impedance. The aerodynamic impeller is optimized for high-static pressure applications, ensuring efficient airflow delivery even in densely populated electronic assemblies. Featuring a 4-wire PWM interface, the DBTD1551B8U-P063 allows for precise speed modulation, enabling systems to balance cooling requirements with acoustic performance dynamically. Its structural rigidity and high power density make it an ideal solution for demanding cooling scenarios.

Model Number: DBTD1551B8U-P063

Brand: AVC

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Rated Current: 2.16 A

Power Consumption: 103.68 W

Dimensions: 172 x 150 x 51 mm

Bearing Type: Ball Bearing

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead

Wire Color Code: Black (-), Red (+), Yellow/Blue (Signal/PWM)

Housing Material: Die-Cast Aluminum

Impeller Material: Thermoplastic UL94V-0

Mounting Style: Flange Mount

Cooling Design: High Airflow / High Static Pressure

Application: Server Cabinets, Inverters, Industrial Machinery

The DBTD1551B8U-P063 is specifically calibrated for use in large-scale frequency inverters and telecommunication racks where reliable heat dissipation is paramount. By integrating the DBTD1551B8U-P063 into server chassis or CNC control panels, operators ensure optimal operating temperatures for sensitive components, preventing thermal throttling and extending equipment service life.

Supplemental Images

