DBTB0428B2G-P157 AVC 12VDC 40x40x28mm PWM Axial Fan Datasheet

Brand: AVC

SKU: 1000105156855

Category: Axial & Centrifugal Fans

Price: **$17.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/dbtb0428b2g-p157-avc-12vdc-40x40x28mm-pwm-axial-fan

Product Description

The AVC DBTB0428B2G-P157 is a high-performance DC axial fan designed specifically for density-critical thermal management applications. Engineered with a robust double ball bearing architecture, this unit ensures exceptional rotational stability and extended service life under continuous high-speed operation. The fan features an advanced aerodynamic impeller design optimized to deliver aggressive airflow and high static pressure, essential for overcoming thermal impedance in restricted enclosures such as 1U server racks. With a substantial power rating of 12W (1.00A), it utilizes a 4-wire interface supporting Pulse Width Modulation (PWM) for precise speed regulation and tachometer signal output, allowing for dynamic thermal control based on real-time system load.

Model Number: DBTB0428B2G-P157
Brand: AVC (Asia Vital Components)
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Rated Current: 1.00 A
Power: 12.00 W
Dimensions: 40 x 40 x 28 mm
Bearing Type: Double Ball Bearing
Termination: 4-Wire (PWM/Tach)
Speed Control: PWM (Pulse Width Modulation)

Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Mounting Orientation: Flange Mount
Application: Server/High-Pressure Cooling
Condition: Like New

Designed primarily for high-density computing environments, the DBTB0428B2G-P157 excels in cooling 1U server racks, blade servers, and compact power supply units where backpressure is a significant factor. The high static pressure generated by the DBTB0428B2G-P157 ensures effective heat dissipation from tightly packed components like heatsinks and voltage regulators. Additionally, this model is suitable for industrial automation equipment, telecommunications hardware, and precision medical devices requiring reliable, high-velocity forced air cooling.

Supplemental Images


MODEL DBTB0428B2G
DC 12V 1.00A P157
BALL BEARING
AVC