DBPT0428B2SP005 AVC 12VDC 2.80A 40x40x28mm Axial Fan Datasheet

Brand: AVC

SKU: 695762674508

Category: Axial & Centrifugal Fans

Price: **$17.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/dbpt0428b2sp005-avc-12vdc-2-80a-40x40x28mm-axial-fan

Product Description

The AVC DBPT0428B2SP005 is a high-performance DC axial fan engineered for extreme thermal management applications within compact electronic enclosures. Utilizing a robust 12VDC motor architecture, this unit draws 2.80A to generate significant airflow and static pressure, making it essential for overcoming the high thermal impedance found in dense server racks and telecommunications equipment. The 40x40x28mm frame is constructed for structural rigidity, housing a precision-balanced impeller supported by a durable bearing system designed for continuous operation under heavy loads. Featuring a 4-wire interface, the DBPT0428B2SP005 allows for dynamic thermal regulation via PWM speed control and tachometer signal monitoring. This robust cooling solution ensures component longevity by effectively dissipating heat in restricted spaces where standard cooling units fail to maintain safe operating temperatures.

Model Number: DBPT0428B2SP005
Brand: AVC (Asia Vital Components)
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Rated Current: 2.80 A
Power Consumption: 33.6 W
Dimensions: 40 x 40 x 28 mm
Bearing Type: Dual Ball Bearing

Termination: 4-Wire (PWM/Tachometer)
Connector: 4-Pin Header
Frame Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Motor Type: Brushless DC
Application: Server/Industrial
Mounting Style: Flange Mount
Airflow Direction: Intake/Exhaust
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (FG)

The DBPT0428B2SP005 is specifically engineered for deployment in 1U server chassis and high-density blade servers where backpressure is a critical factor. Its compact form factor allows it to fit seamlessly into network switches and router assemblies, providing targeted cooling to CPUs and power regulation modules. Industrial automation systems utilizing compact controllers also benefit from the high airflow density provided by the DBPT0428B2SP005, ensuring stability during intensive processing tasks. Furthermore, this model is frequently utilized in specialized medical instrumentation and telecommunications base stations requiring reliable, continuous thermal dissipation.

Supplemental Images


PBT-10YK-30%GF
G55-S/Y