DBPK0428B2SY036 AVC 12VDC 40x40x28mm 3.00A Axial Fan Datasheet

Brand: AVC

SKU: 985938842070

Category: Axial & Centrifugal Fans

Price: **$15.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/dbpk0428b2sy036-avc-12vdc-40x40x28mm-3-00a-axial-fan

Product Description

The AVC DBPK0428B2SY036 is a high-performance axial fan designed for mission-critical thermal management in dense electronic environments. Engineered with a robust Dual Ball Bearing system, this unit ensures exceptional longevity and structural rigidity under continuous high-speed operation. The motor architecture utilizes advanced DC technology to deliver a substantial 3.00A current draw, translating to extreme airflow and static pressure capabilities required for overcoming high thermal impedance in server racks. Its 40x40x28mm form factor is optimized for 1U chassis integration, featuring a 4-wire interface that supports PWM speed control for precise thermal regulation. This component represents a pinnacle of aerodynamic efficiency for compact, high-heat dissipation requirements.

Model Number: DBPK0428B2SY036
Brand: AVC (Asia Vital Components)
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Rated Current: 3.00 A
Input Power: 36.00 W
Dimensions: 40 x 40 x 28 mm
Bearing Type: Dual Ball Bearing
Termination: 4-Wire Interface

Speed Control: PWM / Tachometer Signal
Airflow Direction: Exhaust over struts
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Mounting Style: Ribbed Flange
Application: High Static Pressure Server Cooling
Condition: Original Specification

The DBPK0428B2SY036 is specifically engineered for high-density computing environments where space is limited but heat dissipation requirements are extreme. Primary deployment scenarios include 1U server racks, blade servers, and high-performance networking switches where overcoming system impedance is critical. Additionally, the DBPK0428B2SY036 is utilized in specialized industrial machinery and compact power supply units requiring forced air cooling to maintain operational stability within safe thermal limits.

Supplemental Images