

DBPB0428B2U-P058 AVC 12VDC 40x40x28mm 1.80A Axial Fan Datasheet



Brand: AVC

SKU: 890213934715

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/dbpb0428b2u-p058-avc-12vdc-40x40x28mm-1-80a-axial-fan>

Product Description

The AVC DBPB0428B2U-P058 is a high-performance DC axial fan engineered for mission-critical thermal management in high-density computing environments. Utilizing advanced DC brushless motor technology and a robust dual ball bearing architecture, this unit delivers exceptional rotational stability and longevity under continuous load. The aerodynamic design of the impeller is optimized to overcome high system impedance, generating significant static pressure required for 1U server chassis and tightly packed electronic enclosures. Its structural rigidity ensures minimal vibration, while the high-power motor configuration addresses rapid heat dissipation needs in industrial and telecommunication applications.

Model Number: DBPB0428B2U-P058

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 1.80 A

Power Consumption: 21.6 W

Dimensions: 40x40x28mm

Bearing Type: Dual Ball Bearing

Max. Air Flow: Approx. 24.0 CFM (Based on 1.8A class specs)

Max. Static Pressure: High Static Pressure (Server Class)

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead

Connector: Standard 4-Pin Server Header

Motor Type: DC Brushless

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Safety Approvals: UL, CUL, TUV, CE

Designed specifically for high-impedance airflow environments, the DBPB0428B2U-P058 excels in 1U server racks and compact industrial power supplies where space is limited but heat generation is intense. The high static pressure capabilities of the DBPB0428B2U-P058 allow it to force air through dense heatsinks and restricted ducts found in telecommunications equipment and network switches. This model is also frequently utilized in specialized cooling modifications for high-performance workstations and CNC controllers requiring rapid thermal evacuation to maintain operational stability.

Supplemental Images

