

DBPB0938B8U-Y004 AVC 48VDC 90x90x38mm PWM Axial Fan Datasheet



Brand: AVC

SKU: 652356452793

Category: Axial & Centrifugal Fans

Price: \$18.99

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Product Page:

<https://www.equipspares.com/product/dbpb0938b8u-y004-avc-48vdc-90x90x38mm-pwm-axial-fan>

Product Description

AVC DBPB0938B8U-Y004 is a 48VDC 90x90x38mm Axial Fan optimized for high-density thermal impedance reduction. Engineered with an advanced DC motor and robust bearing architecture, this unit ensures exceptional structural rigidity and long-term reliability in demanding environments. The aerodynamic blade design maximizes airflow while maintaining stable static pressure across varying system loads. Operating at a powerful 1.44A, this 4-wire PWM-controlled fan delivers precise RPM adjustments to match dynamic thermal profiles. It serves as an ideal replacement fan for telecom and server applications requiring aggressive heat dissipation.

Model Number: DBPB0938B8U-Y004

Brand: AVC

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Rated Current: 1.44 A

Power: 69.12 W

Dimensions: 90 x 90 x 38 mm

Speed Control: 4-Wire PWM

Termination: 4-Pin Connector

Housing Material: UL94V-0 Plastic

Blade Material: UL94V-0 Plastic

DBPB0938B8U-Y004 Applications

1. 2U Rackmount Servers: Overcoming high system impedance in densely packed chassis by utilizing the 1.44A motor for aggressive volumetric airflow.
2. Telecom Base Stations: Providing reliable thermal management in 48VDC infrastructure, acting as a direct replacement fan for continuous-duty network switches.
3. VFD Control Cabinets: Leveraging 4-wire PWM control to dynamically adjust cooling performance based on real-time inverter thermal loads, ensuring optimal structural rigidity and component lifespan.

Supplemental Images

