

DBPB0938B8U-Y005 AVC 48VDC 90x90x38mm PWM Axial Fan Datasheet



Brand: AVC

SKU: 965463983625

Category: Axial & Centrifugal Fans

Price: \$18.99

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Product Page:

<https://www.equipspares.com/product/dbpb0938b8u-y005-avc-48vdc-90x90x38mm-pwm-axial-fan>

Product Description

The AVC DBPB0938B8U-Y005 is a high-performance DC axial fan engineered for the rigorous thermal demands of enterprise server architecture and industrial automation systems. Featuring a precision-wound 48VDC motor and a durable ball bearing system, this unit ensures exceptional rotational stability and reduced thermal impedance during continuous operation. The aerodynamic impeller design is optimized to deliver high volumetric airflow while maintaining significant static pressure, making it suitable for overcoming the resistance of dense component layouts. Built with structural rigidity in mind, the DBPB0938B8U-Y005 provides a reliable cooling solution with integrated PWM control for dynamic speed modulation based on thermal load.

Model Number: DBPB0938B8U-Y005

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Rated Current: 1.44 A

Dimensions: 90 x 90 x 38 mm

Bearing Type: Dual Ball Bearing

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead

Connector: 4-Pin Server Connector

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Mounting Orientation: Flange Mount

Ingress Protection: Standard Industrial

Application: Server/Telecom

The DBPB0938B8U-Y005 is specifically designed for integration into high-density server racks, telecommunications base stations, and industrial power supply units where efficient heat evacuation is critical. Its high-pressure profile allows the DBPB0938B8U-Y005 to effectively push air through restrictive heatsinks and tightly packed chassis, ensuring component longevity in mission-critical infrastructure.

Supplemental Images

