

DBTB1225B8FP089 AVC 48VDC 120x120x25mm IP68 Axial Fan Datasheet



Brand: AVC

SKU: [1012627850185](#)

Category: Axial & Centrifugal Fans

Price: **\$21.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/dbtb1225b8fp089-avc-48vdc-120x120x25mm-ip68-axial-fan>

Product Description

The AVC DBTB1225B8FP089 is a precision-engineered DC axial fan designed for mission-critical thermal management in harsh industrial environments and high-density computing systems. Featuring a robust Dual Ball Bearing architecture, this unit ensures minimized friction coefficients and extended operational longevity under continuous load conditions. The aerodynamic impeller design optimizes airflow dynamics to reduce thermal impedance within restricted enclosures. With an IP68 ingress protection rating, the motor assembly is fully encapsulated, offering superior resistance to dust and moisture intrusion. This 48VDC cooling solution maintains structural rigidity and performance stability, making it an ideal component for demanding electronic cooling applications requiring high static pressure and reliability.

Model Number: DBTB1225B8FP089

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 0.48 A

Power Consumption: 23.04 W

Dimensions: 120 x 120 x 25 mm

Bearing Type: Dual Ball Bearing

Ingress Protection: IP68 (Waterproof/Dustproof)

Max. Air Flow: 150.0 CFM (Approximate based on power class)

Max. Static Pressure: 14.5 mmH₂O (Approximate based on power class)

Speed Control: PWM / Tachometer Support

Termination: 4-Wire Lead with Connector

Frame 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

Mounting: Flange Mount

Application: Network Switches, Server Racks, Industrial Automation

This high-performance cooling unit is specifically engineered for enterprise-grade networking equipment, including core switches and routers where the DBTB1225B8FP089 ensures optimal operating temperatures. Its robust IP68 rating makes it suitable for industrial automation cabinets and outdoor telecommunications enclosures exposed to environmental contaminants. Additionally, the DBTB1225B8FP089 is frequently utilized in server rack cooling modules and high-end workstation chassis, providing the necessary static pressure to overcome resistance from dense component layouts and heat sinks.

Supplemental Images

