DBTB1225B8FP099 AVC 48VDC 120x120x25mm IP68 Axial Fan Datasheet

Brand: AVC

SKU: 953027648721

Category: Axial & Centrifugal Fans

Price: **$15.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/dbtb1225b8fp099-avc-48vdc-120x120x25mm-ip68-axial-fan

Product Description

The AVC DBTB1225B8FP099 is a precision-engineered DC Axial Fan designed for mission-critical thermal management in harsh environments. Featuring a fully encapsulated IP68 sealed motor architecture, this unit offers superior resistance to dust ingress and moisture, ensuring operational stability under extreme conditions. The rotor is supported by a dual ball bearing system, selected for its low friction coefficient and exceptional longevity, significantly reducing thermal impedance over extended duty cycles. Its aerodynamic impeller design optimizes static pressure delivery while maintaining structural rigidity at high rotational speeds, making it an ideal solution for high-density industrial applications requiring robust airflow and reliability.

Model Number: DBTB1225B8FP099
Brand: AVC (Asia Vital Components)
Product Type: DC Axial Fan
Rated Voltage: 48 VDC
Voltage Range: 36.0 - 56.0 VDC
Rated Current: 0.48 A
Power Input: 23.04 W
Rated Speed: 4000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 150.0 CFM (254.8 m^3/h / 4.24 m^3/min)

Max. Static Pressure: 22.5 mmH_2O (220.6 Pa / 0.88 inH_2O)
Dimensions: 120 x 120 x 25 mm
Weight: 230 g
Life Expectancy: 70,000 Hours @ 40°C
Ingress Protection: IP68 (Dust Tight / Immersion)
Speed Control: PWM / Tachometer Output
Noise Level: 54.5 dB(A)
Housing Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Termination: 4-Wire Lead
Motor Protection: Locked Rotor Protection, Polarity Protection

The DBTB1225B8FP099 is engineered for deployment in demanding industrial sectors where environmental resilience is paramount. Its robust IP68 rating makes it specifically suitable for outdoor telecommunications cabinets, renewable energy inverters, and marine-grade electronics that face exposure to moisture and particulate matter. Additionally, the high static pressure capabilities of the DBTB1225B8FP099 ensure efficient heat dissipation in dense server racks and automation control panels, maintaining optimal operating temperatures for sensitive components in continuous-duty manufacturing environments.

Supplemental Images


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