DBTB1225B8F-P018 AVC 48VDC 120x120x25mm PWM Axial Fan Datasheet

Brand: AVC

SKU: 649763399842

Category: Axial & Centrifugal Fans

Price: **$19.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/dbtb1225b8f-p018-avc-48vdc-120x120x25mm-pwm-axial-fan

Product Description

The AVC DBTB1225B8F-P018 is a precision-engineered DC Axial Fan designed for high-impedance industrial cooling environments. Utilizing advanced Double Ball Bearing architecture, this unit ensures exceptional structural rigidity and longevity under continuous operation. The aerodynamic impeller design optimizes airflow dynamics to deliver significant static pressure, effectively overcoming thermal impedance in densely packed enclosures. Engineered with a robust 48VDC motor and integrated PWM speed control, the DBTB1225B8F-P018 provides dynamic thermal management, balancing acoustic performance with critical heat dissipation requirements for enterprise-grade hardware.

Model Number: DBTB1225B8F-P018
Brand: AVC
Product Type: DC Axial Fan
Rated Voltage: 48VDC
Voltage Range: 24.0 - 56.0 VDC
Rated Current: 0.48 A
Input Power: 23.04 W
Rated Speed: 4000 RPM
Bearing Type: Double Ball Bearing
Max. Air Flow: 150.0 CFM (254.8 m^3/h / 4.24 m^3/min)

Max. Static Pressure: 14.5 mmH_2O (142.2 Pa / 0.57 inH_2O)
Dimensions: 120x120x25mm
Weight: 220 g
Life Expectancy: 70,000 Hours @ 40°C
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire with Terminal
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Noise Level: 54.0 dB(A)
Mounting Orientation: Any
Ingress Protection: IP20
Safety Certifications: CE, UL, TUV

Designed for mission-critical thermal regulation, the DBTB1225B8F-P018 is extensively utilized in high-performance network switches and server rack enclosures where consistent airflow is paramount. The robust construction allows the DBTB1225B8F-P018 to operate reliably in industrial automation systems, telecommunications infrastructure, and precision CNC machinery, ensuring optimal operating temperatures for sensitive electronic components.

Supplemental Images