

DBTB1225B2F-P005 AVC 12V 2.04A 120x120x25mm DC Axial Fan Datasheet



Brand: AVC

SKU: 1030560198889

Category: Axial & Centrifugal Fans

Price: \$16.99

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Product Page:

<https://www.equipspares.com/product/dbtb1225b2f-p005-avc-12v-2-04a-120x120x25mm-dc-axial-fan>

Product Description

AVC DBTB1225B2F-P005 is a 120 x 120 x 25 mm high-performance DC axial fan operating at 12 VDC with a 2.04 A current rating and 170.1 CFM airflow capacity. The unit features a dual ball bearing system and a 4-wire PWM interface for precise speed control. Constructed with a PBT UL 94V-0 plastic impeller and frame, it utilizes a brushless DC motor design to achieve 5000 RPM. The internal architecture includes lead wire connections and integrated electronic protection against polarity reversal and rotor locking.

DBTB1225B2F-P005 Specifications

Model Number: DBTB1225B2F-P005

Brand: AVC (Asia Vital Components)

Category: DC Axial Fan

Frame Size: 120 x 120 x 25 mm

Rated Voltage: 12 VDC

Operating Voltage: 7.0 to 13.2 VDC

Rated Current: 2.04 A

Rated Input Power: 24.48 W

Rated Speed: 5000 RPM

Maximum Airflow: 170.1 CFM

Maximum Static Pressure: 1.15 inH₂O

Noise Level: 60.0 dBA

Bearing Type: Dual Ball Bearing

Termination: 4-wire lead wires

Wire Functions: Red (+), Black (-), Yellow (FG), Blue (PWM)

Housing Material: Thermoplastic PBT (UL 94V-0)

Impeller Material: Thermoplastic PBT (UL 94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Life Expectancy: 70,000 hours at 40 °C

Motor Type: Brushless DC Motor

Protection: Polarity Protection, Locked Rotor Protection

Weight: 240 g

Safety Approvals: UL, CUL, TUV, CE

DBTB1225B2F-P005 Applications

Primary applications include integration into high-density server chassis, telecommunications rack cooling systems, and industrial frequency converters. Deployed within CNC machine control cabinets and high-performance workstation thermal management modules to maintain operational temperatures.

Supplemental Images

