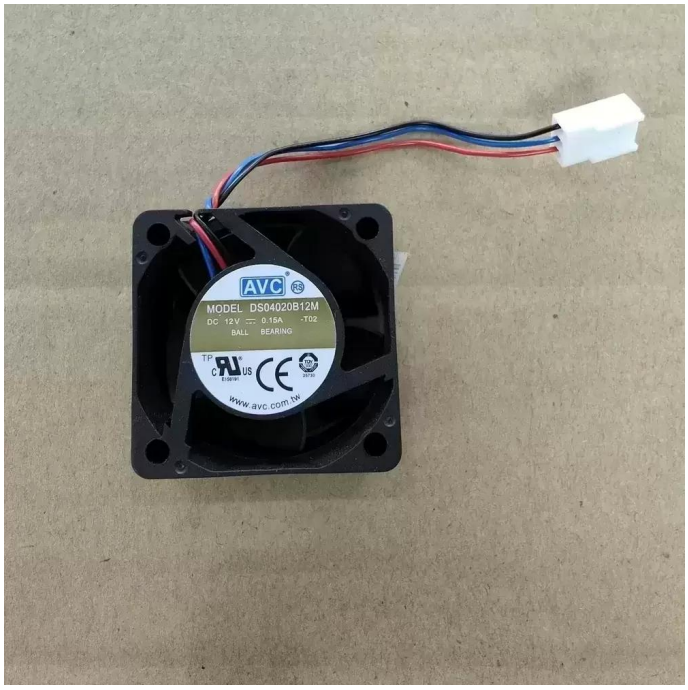
DA04020B12M-T02 AVC 12VDC 0.15A 40x40x20mm Axial Fan Datasheet



Brand: AVC

SKU: 673909382181

Category: Axial & Centrifugal Fans

Price: **$15.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/da04020b12m-t02-avc-12vdc-0-15a-40x40x20mm-axial-fan

Product Description

The AVC DA04020B12M-T02 is a compact DC Axial Fan engineered for precision thermal management in high-density electronic enclosures. Utilizing advanced Dual Ball Bearing architecture, this unit minimizes frictional coefficients to enhance rotational stability and extend operational lifespan significantly compared to sleeve bearing alternatives. The aerodynamic impeller design optimizes static pressure delivery while maintaining a low acoustic profile, effectively reducing thermal impedance within restricted spaces. Constructed with structural rigidity in mind, the DA04020B12M-T02 integrates a 3-wire interface, facilitating real-time speed monitoring essential for critical industrial feedback loops and active cooling regulation.

Model Number: DA04020B12M-T02
Brand: AVC (Asia Vital Components)
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.15 A
Power: 1.80 W
Rated Speed: 7500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 9.50 CFM (16.14 m^3/h / 0.27 m^3/min)

Max. Static Pressure: 6.50 mmH_2O (63.74 Pa / 0.26 inH_2O)
Dimensions: 40 x 40 x 20 mm
Weight: 28.0 g
Life Expectancy: 70,000 Hours @ 40°C
Termination: 3-Wire (Lead Wire)
Speed Control: Tachometer Output (Frequency Generator)
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: 32.0 dB(A)
Ingress Protection: IP40
Mounting Orientation: Any

This cooling solution is specifically calibrated for applications requiring reliable airflow in compact footprints, such as 1U server racks, network switches, and industrial automation control panels. The DA04020B12M-T02 excels in maintaining optimal operating temperatures for sensitive components like chipsets and power supplies within medical diagnostic equipment. By integrating the DA04020B12M-T02 into telecommunications hardware, engineers ensure consistent thermal dissipation, preventing overheating in continuous-duty cycles typical of CNC machinery and embedded systems.

Supplemental Images