

DBTA0420B2U-P011 AVC 12VDC 40x40x20mm PWM Axial Fan Datasheet



Brand: AVC

SKU: [955674363494](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/dbta0420b2u-p011-avc-12vdc-40x40x20mm-pwm-axial-fan>

Product Description

The AVC DBTA0420B2U-P011 is a precision-engineered axial fan designed for high-density thermal management applications requiring robust static pressure and airflow efficiency. Utilizing advanced DC motor technology paired with a durable dual ball bearing architecture, this unit ensures minimized frictional coefficients and extended operational longevity under continuous load. The aerodynamic impeller design optimizes air intake while reducing turbulence-induced noise, making it suitable for critical cooling environments. With integrated PWM signal control, the DBTA0420B2U-P011 allows for dynamic speed modulation, effectively balancing thermal impedance against power consumption to maintain system stability within strict temperature thresholds.

Model Number: DBTA0420B2U-P011

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Rated Current: 0.50A

Power Consumption: 6.00W

Dimensions: 40x40x20mm

Bearing Type: Dual Ball Bearing

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead

Connector Type: 4-Pin Motherboard Header

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Mounting Orientation: Any

Ingress Protection: Standard IP Rating

Operating Temperature: -10°C to +70°C

Life Expectancy: 50,000 Hours at 40°C

The DBTA0420B2U-P011 is specifically engineered for compact, high-heat environments such as 1U server power supply units and industrial computer chassis where space is limited but airflow requirements are substantial. Its high-static pressure capabilities make it an ideal solution for cooling Northbridge chipsets and modifying graphics card thermal solutions in legacy or specialized hardware. Furthermore, the DBTA0420B2U-P011 is frequently deployed in telecommunications equipment and rack-mounted network appliances, ensuring reliable heat dissipation for critical components operating in continuous duty cycles.

Supplemental Images

