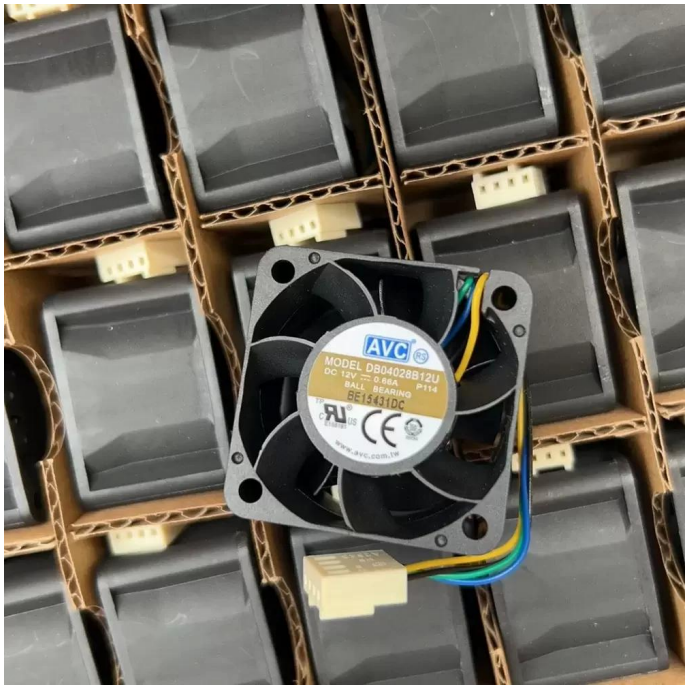
DB04028B12U-P114 AVC 12VDC 40x40x28mm PWM Axial Fan Datasheet



Brand: AVC

SKU: 888530613026

Category: Axial & Centrifugal Fans

Price: **$13.21**

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Product Page:
https://www.equipspares.com/product/db04028b12u-p114-avc-12vdc-40x40x28mm-pwm-axial-fan

Product Description

The AVC DB04028B12U-P114 is a compact, high-density Axial Fan engineered for critical thermal management applications requiring substantial airflow in restricted spaces. Utilizing advanced DC motor technology paired with a robust Dual Ball Bearing architecture, this unit ensures exceptional longevity and structural rigidity under continuous high-speed operation. The aerodynamic impeller design is optimized to deliver high static pressure, effectively overcoming the thermal impedance found in tightly packed enclosures. Its 4-wire PWM interface allows for precise speed modulation, enabling dynamic thermal regulation based on system load.

Model Number: DB04028B12U-P114
Brand: AVC (Asia Vital Components)
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.2 VDC
Rated Current: 0.66 A
Power Consumption: 7.92 W
Rated Speed: 15000 RPM ±10%
Bearing Type: Dual Ball Bearing
Max. Air Flow: 24.8 CFM (42.1 m^3/h / 0.70 m^3/min)
Max. Static Pressure: 36.5 mmH_2O (358 Pa / 1.44 inH_2O)

Dimensions: 40 x 40 x 28 mm
Weight: 48 g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: 4-Wire PWM (Pulse Width Modulation)
Noise Level: 56.0 dBA
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Termination: 4-Wire Leads with Small 4P Connector
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP40
Safety Certifications: UL, CUL, TUV, CE

This high-performance cooling solution is specifically designed for 1U server racks and compact telecommunications equipment where space is at a premium but heat dissipation requirements are extreme. The DB04028B12U-P114 excels in cooling high-density power supplies, RAID arrays, and network switches, ensuring component stability under heavy loads. Additionally, the DB04028B12U-P114 is frequently utilized in precision industrial instrumentation and CNC machinery requiring reliable forced air convection.

Supplemental Images