

DE07015B12L-P071 AVC 12VDC 70x70x15mm PWM Axial Fan Datasheet



Brand: AVC

SKU: [991077581183](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/de07015b12l-p071-avc-12vdc-70x70x15mm-pwm-axial-fan>

Product Description

The AVC DE07015B12L-P071 is a precision-engineered DC axial fan designed for high-density thermal management applications requiring efficient airflow within a low-profile form factor. Utilizing advanced dual ball bearing architecture, this unit ensures minimized frictional coefficients and extended operational longevity under continuous thermal load. The aerodynamic impeller design optimizes static pressure capabilities while maintaining acoustic neutrality, effectively reducing thermal impedance in restricted enclosures. Engineered with a 4-wire PWM interface, it allows for dynamic speed modulation, ensuring optimal cooling performance relative to system temperature. The structural rigidity of the thermoplastic frame meets rigorous industrial standards for vibration resistance and reliability.

Model Number: DE07015B12L-P071

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.30 A

Power Consumption: 3.60 W

Rated Speed: 4200 RPM \pm 10%

Bearing Type: Dual Ball Bearing

Max. Air Flow: 33.15 CFM (56.3 m³/h / 0.94 m³/min)
Max. Static Pressure: 3.85 mmH₂O (37.7 Pa / 0.15 inH₂O)
Dimensions: 70 x 70 x 15 mm
Weight: 45 g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: 4-Wire PWM (Pulse Width Modulation)
Noise Level: 34.0 dB(A)
Frame Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Termination: 4-Wire Lead with Connector
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP40
Insulation Resistance: >10M Ohm at 500VDC
Dielectric Strength: 500VAC for 1 Minute
Safety Certifications: CE, UL, TUV, RoHS

The DE07015B12L-P071 is frequently deployed in compact server chassis and rack-mount equipment where vertical height is constrained by standard unit spacing. Its slim profile makes the DE07015B12L-P071 ideal for cooling CPU heatsinks in 1U or 2U configurations, as well as ventilating power supply units and telecommunications hardware. Additionally, this model serves effectively in industrial automation controllers, projector cooling systems, and medical instrumentation requiring reliable, long-term thermal dissipation with precise speed control.

Supplemental Images

