

DS06025B12U-P058 AVC 12VDC 60x60x25mm PWM Axial Fan Datasheet



Brand: AVC

SKU: 712335595610

Category: Axial & Centrifugal Fans

Price: \$7.99

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Product Page:

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Product Description

The AVC DS06025B12U-P058 is a precision-engineered DC axial fan designed for high-density thermal management applications requiring robust airflow and precise speed regulation. Utilizing advanced dual ball bearing architecture, this unit ensures minimized frictional coefficients and extended operational longevity under continuous load. The aerodynamic impeller geometry is optimized to reduce thermal impedance while maintaining structural rigidity at high rotational speeds. Integrated with a 4-wire PWM control interface, the fan allows for dynamic duty cycle adjustments, optimizing the acoustic-to-performance ratio in critical electronic cooling environments. Its compact 60mm frame delivers exceptional static pressure capabilities suitable for restricted airflow chassis.

Model Number: DS06025B12U-P058

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.70 A

Power Consumption: 8.40 W

Rated Speed: 7000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 46.5 CFM (79.0 m³/h / 1.31 m³/min)
Max. Static Pressure: 16.5 mmH₂O (161.8 Pa / 0.65 inH₂O)
Dimensions: 60 x 60 x 25 mm
Weight: 75 g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire Lead with 4-Pin Connector
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Noise Level: 48.0 dBA
Safety Certifications: CE, UL, TUV

This high-performance cooling solution is specifically engineered for deployment in enterprise-grade server racks, blade chassis, and high-density telecommunications equipment where thermal dissipation is critical. The DS06025B12U-P058 excels in industrial automation setups, including CNC machinery and variable frequency drives, providing reliable forced convection cooling. Additionally, the DS06025B12U-P058 is frequently utilized in compact power supply units and network switches, ensuring component stability by effectively managing heat buildup in space-constrained enclosures.

Supplemental Images

