DS08020R2UP021 AVC 12VDC 80x80x20mm PWM Axial Cooling Fan Datasheet

Brand: AVC

SKU: 990789630107

Category: Axial & Centrifugal Fans

Price: **$13.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ds08020r2up021-avc-12vdc-80x80x20mm-pwm-axial-cooling-fan

Product Description

The AVC DS08020R2UP021 is a precision-engineered DC axial fan designed for critical thermal management applications requiring high static pressure and efficient airflow. Utilizing advanced hydraulic bearing technology, this unit minimizes frictional resistance while maintaining structural rigidity under high-speed operation. The aerodynamic blade geometry is optimized to reduce turbulence and lower thermal impedance within dense electronic enclosures. Featuring a 4-wire PWM interface, it allows for dynamic speed modulation, ensuring optimal cooling performance relative to system load. This 12VDC component delivers robust reliability, making it an essential solution for maintaining operational stability in high-performance computing environments.

Model Number: DS08020R2UP021
Brand: AVC (Asia Vital Components)
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.60 A
Power Consumption: 7.20 W
Max. Air Flow: 46.02 CFM (78.19 m^3/h / 1.30 m^3/min)
Dimensions: 80 x 80 x 20 mm
Bearing Type: Hydraulic Bearing

Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire Lead with Connector
Wire Configuration: Red (+), Black (-), Yellow (Sensor), Blue (PWM)
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Mounting Orientation: Any
Application: CPU Cooling, Server Chassis

The DS08020R2UP021 is specifically engineered for integration into high-density computing environments, including server racks, industrial workstations, and precision medical instrumentation. Its compact profile allows the DS08020R2UP021 to fit seamlessly into space-constrained chassis where efficient heat dissipation is critical for component longevity. This model is frequently utilized in CPU cooling assemblies and telecommunications equipment requiring reliable, continuous thermal regulation.

Supplemental Images


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