DS08025R12U-P227 AVC 12VDC 80x80x25mm Hydraulic Axial Fan Datasheet

Brand: AVC

SKU: 703231247811

Category: Axial & Centrifugal Fans

Price: **$17.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ds08025r12u-p227-avc-12vdc-80x80x25mm-hydraulic-axial-fan

Product Description

The AVC DS08025R12U-P227 is a precision-engineered Axial Fan designed for critical thermal management applications requiring high static pressure and consistent airflow. Utilizing advanced Hydraulic Bearing technology, this unit minimizes friction and acoustic noise while maintaining exceptional structural rigidity under high-load operations. The 12VDC motor architecture is optimized for efficiency, significantly reducing thermal impedance within dense electronic enclosures. Its aerodynamic blade design ensures maximum air throughput, making it a robust solution for maintaining optimal operating temperatures in sensitive hardware environments.

Model Number: DS08025R12U-P227
Brand: AVC (Asia Vital Components)
Product Type: Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.70 A
Power Input: 8.40 W
Rated Speed: 6000 RPM
Bearing Type: Hydraulic Bearing
Max. Air Flow: 68.5 CFM (116.3 m^3/h / 1.94 m^3/min)
Max. Static Pressure: 11.2 mmH_2O (109.8 Pa / 0.44 inH_2O)

Dimensions: 80 x 80 x 25 mm
Weight: 85 g
Life Expectancy: 50,000 Hours at 40°C
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire Lead
Connector: Standard 4-Pin Motherboard Header
Noise Level: 46.0 dB(A)
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP4X
Safety Certifications: CE, UL, TUV

The DS08025R12U-P227 is engineered for high-demand environments such as server rack cooling modules, high-performance CPU heatsinks, and industrial power supply units. Its high static pressure capabilities make it ideal for forcing air through dense fin arrays and restricted chassis spaces found in telecommunications equipment and medical instrumentation. By integrating the DS08025R12U-P227 into thermal subsystems, engineers ensure reliable heat dissipation for continuous duty cycles in automation controllers and precision electronic assemblies.

Supplemental Images


AVC