MF92251V3-1Q03C-S9A Sunon 12VDC 92x92x25mm PWM Axial Fan Datasheet

Brand: SUNON

SKU: 903952223406

Category: Axial & Centrifugal Fans

Price: **$6.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/mf92251v3-1q03c-s9a-sunon-12vdc-92x92x25mm-pwm-axial-fan

Product Description

The Sunon MF92251V3-1Q03C-S9A is a precision-engineered DC Axial Fan designed for critical thermal management applications requiring acoustic neutrality and high reliability. Utilizing Sunon's proprietary MagLev (Magnetic Levitation) motor technology, this unit eliminates friction between the shaft and bearing, significantly reducing noise output while extending operational lifespan. The impeller features an aerodynamically optimized blade geometry that maximizes airflow efficiency while minimizing turbulence-induced vibration. With a robust thermoplastic frame providing structural rigidity and integrated PWM signal modulation for precise speed control, this component ensures optimal thermal impedance reduction in restricted enclosures.

Model Number: MF92251V3-1Q03C-S9A
Brand: Sunon
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 4.5 - 13.8 VDC
Rated Current: 0.097 A
Power Consumption: 1.16 W
Rated Speed: 2400 RPM
Bearing Type: MagLev (Vapo)
Max. Air Flow: 39.5 CFM (67.1 m^3/h / 1.12 m^3/min)

Max. Static Pressure: 2.54 mmH_2O (24.9 Pa / 0.10 inH_2O)
Noise Level: 28.0 dB(A)
Dimensions: 92 x 92 x 25 mm
Weight: 92 g
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire Lead
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
Life Expectancy: 60,000 Hours (at 40°C)
Ingress Protection: IP5X (Dust Protected)
Safety Certifications: UL, CUR, TUV

This cooling solution is engineered for deployment in high-density electronic environments such as server rack enclosures, industrial automation control panels, and precision medical instrumentation. The MF92251V3-1Q03C-S9A excels in scenarios where variable speed control is necessary to balance thermal dissipation with acoustic requirements, making it ideal for workstation chassis cooling. Additionally, the MF92251V3-1Q03C-S9A is frequently utilized in telecommunications equipment and network switches where long-term reliability and consistent airflow are paramount for system stability.

Supplemental Images