

9S1212F4D05 Sanyo Denki 12VDC 120x120x25mm 0.19A Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [992854992162](#)

Category: Axial & Centrifugal Fans

Price: **\$25.99**

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Product Page:

<https://www.equipspares.com/product/9s1212f4d05-sanyo-denki-12vdc-120x120x25mm-0-19a-axial-fan>

Product Description

The Sanyo Denki 9S1212F4D05 is a precision-engineered DC Axial Fan designed for applications requiring an optimal balance between high airflow and ultra-low acoustic noise. Part of the renowned San Ace 120 9S Silent Series, this unit utilizes advanced aerodynamic blade geometry to minimize air turbulence and reduce resonance while maintaining substantial thermal throughput. It features a robust dual ball bearing system that ensures long-term structural rigidity and operational stability under continuous loads. The integrated PWM control circuit allows for dynamic speed adjustment, optimizing energy efficiency and thermal impedance management in sensitive electronic environments. The housing and impeller are constructed from flame-retardant materials, ensuring safety and durability in industrial conditions.

Model Number: 9S1212F4D05

Brand: Sanyo Denki

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.19 A

Input Power: 2.28 W

Rated Speed: 2200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 70.6 CFM (120 m³/h / 2.0 m³/min)

Max. Static Pressure: 2.79 mmH₂O (27.4 Pa / 0.11 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 140 g

Life Expectancy: 40,000 Hours at 60°C (L10)

Noise Level: 21 dB(A)

Ingress Protection: None (Standard)

Insulation Class: Class E

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Termination: Wire LeadS

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

Safety Protection: Current Blocking Function, Reverse Polarity Protection

Mounting Orientation: Any

This cooling solution is specifically engineered for noise-sensitive industrial and computing environments where silence is paramount. The 9S1212F4D05 is frequently deployed in home theater PC (HTPC) chassis, medical instrumentation, and high-fidelity audio equipment where acoustic signatures must be minimized without compromising thermal dissipation. Additionally, the 9S1212F4D05 serves as a critical component in telecommunications racks and precision automation control panels, ensuring reliable operation through its durable bearing architecture and efficient airflow delivery.

Supplemental Images

