

9GV1212G1031 Sanyo Denki 12VDC 2.1A 120x120x38mm Axial Fan Datasheet



Brand: Sanyo Denki

SKU: 1025012364641

Category: Axial & Centrifugal Fans

Price: \$17.99

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Product Page:

<https://www.equipspares.com/product/9gv1212g1031-sanyo-denki-12vdc-2-1a-120x120x38mm-axial-fan>

Product Description

The Sanyo Denki 9GV1212G1031 is a high-performance DC axial fan engineered for mission-critical thermal management. Utilizing a sophisticated dual ball bearing architecture, this San Ace 120 series unit minimizes mechanical friction to ensure long-term structural rigidity and operational stability. The aerodynamic impeller design is optimized to overcome high thermal impedance in densely packed electronic enclosures. Its brushless DC motor technology provides precise rotational control and energy efficiency, while the robust frame construction ensures durability under continuous duty cycles. This fan is specifically designed for environments requiring high static pressure to maintain optimal internal temperatures.

Model Number: 9GV1212G1031

Brand: Sanyo Denki

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 2.1A

Power: 25.2W

Rated Speed: 6400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 190.7 CFM (324 m³/h / 5.4 m³/min)

Max. Static Pressure: 34.7 mmH₂O (340 Pa / 1.36 inH₂O)

Dimensions: 120x120x38mm

Weight: 330g

Life Expectancy: 40,000 Hours at 60°C

Speed Control: Tachometer (Sensor Output)

Noise Level: 61 dB(A)

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 3-Lead Wires

Operating Temperature: -20 to +70°C

Storage Temperature: -30 to +70°C

Protection Features: Locked Rotor Burnout Protection, Reverse Polarity Protection

Certifications: UL, CSA, TUV, RoHS

The 9GV1212G1031 is primarily utilized in high-density server racks and telecommunications infrastructure where heat dissipation is critical. The 9GV1212G1031 provides the necessary static pressure to push air through restrictive heat sinks and tightly packed PCB arrays. It is also commonly integrated into industrial power supplies, CNC machinery control cabinets, and medical imaging equipment that requires consistent airflow. The reliability of the 9GV1212G1031 makes it a standard choice for 24/7 industrial automation systems.

Supplemental Images

