

9G0812P1G091 Sanyo Denki 12VDC 80x80x38mm PWM Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [991499823659](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

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Product Page:

<https://www.equipspares.com/product/9g0812p1g091-sanyo-denki-12vdc-80x80x38mm-pwm-axial-fan>

Product Description

The Sanyo Denki 9G0812P1G091 is a high-performance Axial Fan engineered for demanding industrial and server cooling applications. Utilizing advanced DC motor technology paired with a precision dual ball bearing system, this unit delivers superior reliability and reduced rotational friction, significantly extending operational lifespan. The aerodynamic blade geometry is optimized to maximize static pressure and airflow throughput, effectively minimizing thermal impedance within high-density electronic enclosures. Constructed with high-grade materials for structural rigidity, the fan supports Pulse Width Modulation (PWM) for precise speed regulation. This dynamic control mechanism ensures optimal thermal equilibrium, making the 9G0812P1G091 an ideal solution for systems requiring consistent, high-velocity air movement under continuous duty cycles.

Model Number: 9G0812P1G091

Brand: Sanyo Denki (San Ace 80)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 1.1 A

Power Input: 13.2 W

Rated Speed: 6300 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 95.35 CFM (162 m³/h / 2.7 m³/min)

Max. Static Pressure: 23.5 mmH₂O (230 Pa / 0.92 inH₂O)

Dimensions: 80 x 80 x 38 mm

Weight: 210 g

Life Expectancy: 40,000 Hours at 60°C

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

Noise Level: 56 dB(A)

Ingress Protection: IP40

Safety Certifications: UL, CSA, TUV

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

The 9G0812P1G091 is specifically designed for high-density server racks and telecommunications equipment where maintaining low component temperatures is critical for system stability. Its high static pressure capabilities make it an excellent choice for forcing air through restrictive heatsinks in industrial power supplies and CNC machinery control panels. By integrating the 9G0812P1G091, engineers can ensure reliable thermal dissipation in medical instrumentation and network storage arrays, preventing thermal throttling and hardware failure in mission-critical environments.

Supplemental Images

