

9GA0412P6G001 Sanyo Denki 12VDC 40x40x28mm PWM Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [988244099234](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

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<https://www.equipspares.com/product/9ga0412p6g001-sanyo-denki-12vdc-40x40x28mm-pwm-axial-fan>

Product Description

The Sanyo Denki 9GA0412P6G001 is a high-performance DC Axial Fan engineered for density-critical thermal management applications. Belonging to the San Ace 40 9GA series, this unit leverages advanced motor technology to deliver exceptional static pressure while maintaining low power consumption, a hallmark of the GA type architecture. The aerodynamic impeller design minimizes turbulence, optimizing the airflow-to-noise ratio within the compact 40mm frame. Constructed with a robust dual ball bearing system, it ensures exceptional longevity and structural rigidity under continuous operation. The integration of PWM control allows for precise speed modulation, balancing thermal impedance against acoustic requirements in dynamic load environments.

Model Number: 9GA0412P6G001

Brand: Sanyo Denki

Series: San Ace 40 (9GA Type)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Operating Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.23 A

Rated Power: 2.76 W

Rated Speed: 13000 RPM

Max. Air Flow: 19.4 CFM (0.55 m³/min)

Max. Static Pressure: 26.5 mmH₂O (260 Pa / 1.04 inH₂O)

Noise Level: 48 dB(A)

Bearing Type: Dual Ball Bearing

Speed Control: PWM (Pulse Width Modulation)

Sensor Output: Pulse Sensor (Tachometer)

Dimensions: 40 x 40 x 28 mm

Weight: 53 g

Frame Material: Plastics (Flammability: UL94V-0)

Impeller Material: Plastics (Flammability: UL94V-0)

Operating Temperature: -20 to +70 °C

Storage Temperature: -30 to +70 °C

Life Expectancy: 40,000 Hours (at 60°C / 90% RH)

Protection: Locked Rotor Protection, Reverse Polarity Protection

Dielectric Strength: 50/60 Hz, 500 VAC, 1 minute

Designed for high-density electronic enclosures, the 9GA0412P6G001 excels in 1U server racks and telecommunications equipment where high static pressure is paramount to overcome system impedance. Its compact form factor makes it ideal for cooling power supplies, RAID arrays, and industrial automation controllers. The 9GA0412P6G001 ensures reliable thermal dissipation in medical instrumentation and network switches, preventing thermal throttling in critical infrastructure.

Supplemental Images

