

9GA0412P3G01 Sanyo Denki 12VDC 40x40x28mm PWM Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [862847389504](#)

Category: Axial & Centrifugal Fans

Price: **\$30.99**

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<https://www.equipspares.com/product/9ga0412p3g01-sanyo-denki-12vdc-40x40x28mm-pwm-axial-fan>

Product Description

The Sanyo Denki 9GA0412P3G01 is a high-performance DC Axial Fan engineered for precision thermal management in compact electronic assemblies. Part of the renowned San Ace 40 series, this unit features an advanced aerodynamic impeller design that optimizes airflow efficiency while maintaining structural rigidity under high-speed operation. The motor utilizes a robust dual ball bearing system, ensuring exceptional reliability and a long service life even at rotational speeds reaching 16500 RPM. Equipped with Pulse Width Modulation (PWM) control, the fan allows for dynamic speed regulation to balance thermal impedance with acoustic performance. This 12VDC component is specifically designed to deliver high static pressure in a standard 40x40x28mm form factor.

Model Number: 9GA0412P3G01

Brand: Sanyo Denki

Product Type: DC Axial Fan

Series: San Ace 40 (9GA Type)

Rated Voltage: 12 VDC

Operating Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.39 A

Rated Input Power: 4.68 W

Rated Speed: 16500 RPM

Max. Air Flow: 23.7 CFM (40.2 m³/h / 0.67 m³/min)

Max. Static Pressure: 480 Pa (48.9 mmH₂O / 1.93 inH₂O)

Bearing Type: Dual Ball Bearing

Noise Level: 33 dB (PWM Controlled)

Dimensions: 40x40x28 mm

Weight: 53 g

Speed Control: PWM (Pulse Width Modulation)

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Frame Material: Plastics (UL94V-0)

Impeller Material: Plastics (UL94V-0)

Operating Temperature: -20 to +70 °C

Life Expectancy: 40,000 Hours (L90)

The 9GA0412P3G01 is ideally suited for high-density industrial applications where space is at a premium but cooling requirements are stringent. Common deployment scenarios include 1U server racks, telecommunications switching equipment, and precision medical devices requiring consistent airflow. The 9GA0412P3G01 also serves as an effective cooling solution for localized hot spots in CNC control panels and high-performance power supply units.