

9GA0412P6H001 Sanyo Denki 12VDC 40x40x28mm PWM Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [887352928692](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

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Product Description

The Sanyo Denki 9GA0412P6H001 is a DC Axial Fan engineered within the San Ace 40 9GA series, specifically designed for low power consumption while maintaining high aerodynamic performance. This unit utilizes a precision dual ball bearing architecture to ensure long-term rotational stability and reduced thermal impedance under continuous operation. The 9GA0412P6H001 features an optimized impeller design that delivers significant static pressure capabilities, making it ideal for high-density electronic enclosures. Its structural rigidity and UL94V-0 rated thermoplastic construction ensure reliability in demanding industrial environments, while the integrated PWM control circuit allows for precise speed modulation and acoustic management.

Model Number: 9GA0412P6H001

Brand: Sanyo Denki

Series: San Ace 40 (9GA Type)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.14 A

Power Input: 1.68 W

Rated Speed: 11000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 14.5 CFM (0.41 m³/min)

Max. Static Pressure: 13.66 mmH₂O (134 Pa / 0.54 inH₂O)

Noise Level: 42 dB(A)

Dimensions: 40 x 40 x 28 mm

Weight: 53 g

Frame Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead (Red +, Black -, Yellow Sensor, Brown Control)

Operating Temperature: -20 to +70 °C

Storage Temperature: -30 to +70 °C

Life Expectancy: 40000 Hours (60°C) / 60000 Hours (40°C)

Safety Protection: Current Blocking Function, Reverse Polarity Protection

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

The 9GA0412P6H001 is frequently deployed in compact, high-heat applications such as 1U server racks, telecommunications switching gear, and industrial power supply units. Its high static pressure profile allows the 9GA0412P6H001 to effectively force air through dense heatsinks and restricted airflow channels found in medical diagnostic equipment and precision CNC controllers.

Supplemental Images

