

9LG0412P3H001 Sanyo Denki 12V 0.69A 40x40x28mm DC Axial Fan

SKU: 9LG0412P3H001

Price: \$67.99

Categories: Fans

Tags: Sanyo Denki

Product Link:

<https://www.electspares.com/product/9lg0412p3h001-sanyo-denki-12v-0-69a-40x40x28mm-dc-axial-fan/>

Product Description

The Sanyo Denki 9LG0412P3H001 is a high-performance 12VDC axial fan with dimensions of 40 x 40 x 28 mm, specifically engineered for extreme thermal management in high-density industrial applications. As part of the San Ace 40L (LG type) series, this cooling solution features a precision-machined aluminum frame and a specialized 5-blade impeller (UL 94V-0), optimized for stable aerodynamic output and long-term durability. It operates at an ultra-high rated speed of 22,500 RPM, delivering a maximum air flow of 21.9 CFM (37.2 m³/h) and a high static pressure of 3.33 inH₂O (830 Pa). Equipped with a high-precision dual ball bearing system and PWM control functionality, the 9LG0412P3H001 ensures an exceptional service life of 135,000 hours at 40°C. This model is characterized by its high power-to-size ratio and integrated speed monitoring, making it a critical component for 1U server chassis, networking hardware, and telecommunications equipment.

9LG0412P3H001 Fan Parameters

Manufacturer: Sanyo Denki

Model Number: 9LG0412P3H001

Type: DC Axial Fan

Series: San Ace 40L (LG type)

Dimensions: 40 x 40 x 28 mm

Weight: 60 g

Frame Material: Aluminum

Impeller Material: Plastics (UL 94V-0)

Bearing Type: Dual Ball Bearing

Number of Blades: 5

Rated Voltage: 12 VDC

Operating Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.69 A

Rated Input Power: 8.28 W

Rated Speed: 22,500 RPM

Max. Air Flow: 21.9 CFM (37.2 m³/h / 0.62 m³/min)

Max. Static Pressure: 3.33 inH₂O (830 Pa / 84.6 mmH₂O)

Sound Pressure Level: 62 dB(A)

Termination: 4 Lead Wires (300 mm)

Wire Functions: Red (+), Black (-), Yellow (Tachometer), Brown (PWM)

Control Interface: PWM Control / Pulse Sensor

Operating Temperature: -20 - +70 °C

Storage Temperature: -30 - +70 °C

Expected Life: 135,000 h (at 40 °C) / 100,000 h (at 60 °C)

Locked Rotor Protection: Supported

Reverse Polarity Protection: Supported

Safety Approvals: UL, CSA, TUV, RoHS

Application

The Sanyo Denki 9LG0412P3H001 high-speed axial fan is specifically designed for cooling 1U server chassis, high-density network switches, telecommunications rectifiers, industrial control modules, and medical diagnostic instruments where long-term operational reliability and high airflow are required.

Product Images









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