

# 109R0612G428 Sanyo Denki 12VDC 60x60x25mm 0.24A Axial Fan Datasheet



**Brand:** Sanyo Denki

**SKU:** [771049295316](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$14.99**

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Product Page:

<https://www.equipspares.com/product/109r0612g428-sanyo-denki-12vdc-60x60x25mm-0-24a-axial-fan>

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## Product Description

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The Sanyo Denki 109R0612G428 is a precision-engineered DC Axial Fan designed for critical thermal management in compact electronic enclosures. Part of the renowned San Ace 60 series, this unit utilizes a robust dual ball bearing architecture to ensure long-term operational stability and reduced frictional coefficients. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity under high-speed rotation. Featuring a 3-wire configuration with tachometer signal output, it allows for real-time speed monitoring, essential for active thermal regulation systems. The housing is constructed from flame-retardant UL94V-0 plastic, ensuring safety compliance in industrial environments while minimizing thermal impedance.

Model Number: 109R0612G428

Brand: Sanyo Denki (San Ace)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.24 A

Power Consumption: 2.88 W

Rated Speed: 4600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 23.0 CFM (0.65 m<sup>3</sup>/min)

Max. Static Pressure: 5.3 mmH<sub>2</sub>O (52.0 Pa / 0.21 inH<sub>2</sub>O)

Dimensions: 60x60x25mm

Weight: 90 g

Life Expectancy: 40,000 Hours @ 60°C / 60,000 Hours @ 40°C

Noise Level: 34 dB(A)

Speed Control: Tachometer Output (Pulse Sensor)

Termination: 3-Wire Lead (Red +, Black -, Yellow Sensor)

Frame Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

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

Protection: Locked Rotor Protection, Reverse Polarity Protection

The 109R0612G428 is engineered for high-reliability applications requiring consistent airflow in restricted spaces, such as server rack cooling modules, telecommunications equipment, and industrial power supplies. Its compact 60mm footprint allows for seamless integration into network switches and medical instrumentation where thermal density is a concern. By delivering a balanced airflow-to-noise ratio, the 109R0612G428 ensures optimal component temperatures in continuous-duty cycles, making it a preferred choice for automation control panels and CNC machinery electronics.

## Supplemental Images

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