

# 9WL0812P4J001 Sanyo Denki 12V 80x80x25mm DC Axial Fan

**SKU:** 9WL0812P4J001

**Price:** \$114.96

**Categories:** Fans

**Tags:** Sanyo Denki

**Product Link:**

<https://www.electspares.com/product/9wl0812p4j001-sanyo-denki-12v-80x80x25mm-dc-axial-fan/>

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## Product Description

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The Sanyo Denki 9WL0812P4J001 is a high-performance 12VDC long-life splash-proof axial fan with dimensions of 80 x 80 x 25 mm, specifically engineered for mission-critical cooling in outdoor and high-humidity industrial environments. As part of the San Ace 80W series, this cooling solution features a robust aluminum frame and a specialized 7-blade high-efficiency impeller, providing an industry-leading IP68 rating for complete protection against dust and high-pressure water jets. It operates at a rated speed of 7,400 min<sup>-1</sup>, delivering a maximum air flow of 73.0 CFM (124.1 m<sup>3</sup>/h) and a peak static pressure of 0.71 inH<sub>2</sub>O (177 Pa). Equipped with a precision dual ball bearing system and PWM control functionality, the 9WL0812P4J001 ensures an extraordinary service life of 180,000 hours at 60 °C (215,000 hours at 40 °C). This model is characterized by its extreme environmental resilience and integrated speed monitoring, making it an ideal choice for 5G base stations, solar inverters, and outdoor telecommunications enclosures.

9WL0812P4J001 Fan Parameters

Manufacturer: Sanyo Denki

Model Number: 9WL0812P4J001

Type: DC Axial Fan

Series: San Ace 80W

Dimensions: 80 x 80 x 25 mm

Weight: 150 g

Frame Material: Aluminum

Impeller Material: Plastics (UL 94V-0)

Bearing Type: Dual Ball Bearing

Number of Blades: 7

Rated Voltage: 12 VDC

Operating Voltage Range: 10.8 – 13.2 VDC

Rated Current: 0.6 A

Rated Input Power: 7.2 W

Rated Speed: 7,400 min<sup>-1</sup> (RPM)

Max. Air Flow: 73.0 CFM (124.1 m<sup>3</sup>/h / 2.07 m<sup>3</sup>/min)

Max. Static Pressure: 0.71 inH<sub>2</sub>O (177 Pa / 18.0 mmH<sub>2</sub>O)

Sound Pressure Level: 49 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: 180,000 h (at 60 °C) / 215,000 h (at 40 °C)

Ingress Protection: IP68 (Dust-tight and Waterproof)

Locked Rotor Protection: Supported

Reverse Polarity Protection: Supported

Safety Approvals: UL, CSA, TUV, RoHS

#### Application

The Sanyo Denki 9WL0812P4J001 long-life splash-proof axial fan is specifically designed for cooling 5G telecommunications base stations, outdoor solar power inverters, EV charging piles, environmental control systems, and industrial equipment requiring maintenance-free operation in high-moisture or wash-down environments.

## Product Images

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