

# 109R0824S4D011 Sanyo Denki 24V 80x80x25mm DC Axial Fan Datasheet



**Brand:** Sanyo Denki

**SKU:** [1038881656684](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$21.99**

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Product Page:

<https://www.equipspares.com/product/109r0824s4d011-sanyo-denki-24v-80x80x25mm-dc-axial-fan>

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## Product Description

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Sanyo Denki 109R0824S4D011 is an 80 x 80 x 25 mm DC tubeaxial fan operating at a nominal 24 VDC and 2.4 W, delivering a maximum airflow of 42.4 CFM (1.2 m<sup>3</sup>/min) and 48 Pa static pressure. The structural framework utilizes UL94V-0 flame-retardant resin for the housing and UL94V-1 resin for the impeller, ensuring rigorous thermal stability. Internally, the unit features a ball bearing mechanism supporting a rated rotational speed of 3400 RPM, while generating a low acoustic noise profile of 34 dBA. Electrical interfacing is achieved via a 3-wire lead configuration equipped with an integrated lock sensor, locked rotor burnout protection, and reverse polarity protection, yielding an expected operational life of 60,000 hours at 60 °C.

109R0824S4D011 Specifications

Model Number: 109R0824S4D011

Brand: Sanyo Denki

Series: San Ace 80 (9R Type)

Product Category: DC Tubeaxial Fan

Dimensions (L x W x D): 80 x 80 x 25 mm

Nominal Voltage: 24 VDC

Operating Voltage Range: 12 to 27.6 VDC

Rated Current: 0.1 A

Power Input: 2.4 W

Maximum Airflow: 42.4 CFM (1.2 m<sup>3</sup>/min)

Maximum Static Pressure: 48 Pa

Rated Rotation Speed: 3400 RPM

Noise Level: 34 dBA

Bearing Type: Ball Bearing

Termination: 3-Wire Leads

Sensor Type: Lock Sensor

Frame Material: Resin (Flame retardant grade UL94V-0)

Impeller Material: Resin (Flame retardant grade UL94V-1)

Operating Temperature Range: -20 °C to +70 °C

Expected Life: 60,000 hours at 60 °C / 90,000 hours at 40 °C

Mass: 110 g

Protection Features: Locked rotor burnout protection, reverse polarity protection

Design Feature: Ribless frame

#### 109R0824S4D011 Applications

Primary applications include integration into industrial control panels, CNC machine power supplies, and telecommunications base station enclosures for active thermal management. Deployed within automated factory equipment and server chassis, the 3-wire lock sensor configuration provides critical feedback to system controllers to prevent thermal throttling in high-density electronic assemblies.

## Supplemental Images

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