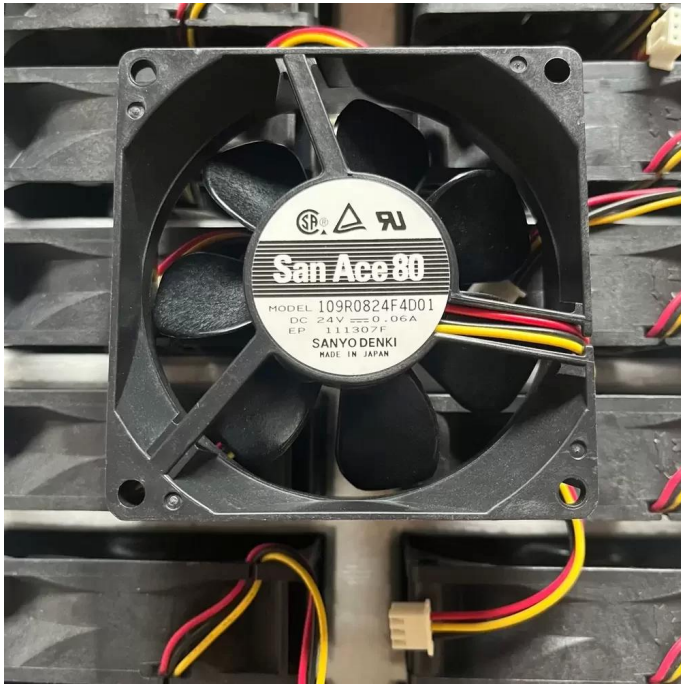


109R0824F4D01 Sanyo Denki 24VDC 80x80x25mm Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [989074953104](#)

Category: Axial & Centrifugal Fans

Price: **\$13.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/109r0824f4d01-sanyo-denki-24vdc-80x80x25mm-axial-fan>

Product Description

The Sanyo Denki 109R0824F4D01 is a precision-engineered Axial Fan designed for critical thermal management in industrial electronics and power conversion systems. Utilizing advanced DC motor technology coupled with a robust Dual Ball Bearing architecture, this unit ensures minimal friction coefficients and extended operational longevity under continuous duty cycles. The aerodynamic impeller design optimizes airflow efficiency while maintaining low acoustic noise, effectively reducing thermal impedance within high-density enclosures. Constructed with high-grade flame-retardant materials, the 109R0824F4D01 offers superior structural rigidity and reliability, making it an ideal solution for applications requiring stable static pressure and consistent cooling performance.

Model Number: 109R0824F4D01

Brand: Sanyo Denki (San Ace)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.06 A

Power Consumption: 1.44 W

Rated Speed: 2900 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 36.7 CFM (1.04 m³/min)

Max. Static Pressure: 3.0 mmH₂O (29.4 Pa / 0.118 inH₂O)

Dimensions: 80x80x25mm

Weight: 110 g

Life Expectancy: 60,000 Hours (at 40°C)

Noise Level: 29 dB(A)

Speed Control: Locked Rotor Sensor (Alarm Output)

Frame Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

Ingress Protection: IP40

Insulation Resistance: 10MΩ min. at 500VDC

Dielectric Strength: 500VAC for 1 minute

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

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

Mounting Orientation: Any

This cooling solution is specifically engineered for demanding industrial environments, including variable frequency drives, solar inverters, and automation control panels. The 109R0824F4D01 excels in maintaining optimal operating temperatures for sensitive power electronics, preventing thermal throttling in server racks and telecommunications equipment. Additionally, the 109R0824F4D01 is widely utilized in medical instrumentation and CNC machinery, where consistent airflow and long-term reliability are critical for system stability.

Supplemental Images

