

109P0424G302 Sanyo Denki 24VDC 40x40x28mm Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [988767678153](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/109p0424g302-sanyo-denki-24vdc-40x40x28mm-axial-fan>

Product Description

The Sanyo Denki 109P0424G302 is a high-performance DC axial fan engineered for critical thermal management applications within the renowned San Ace 40 series. This unit utilizes advanced aerodynamic blade geometry to minimize thermal impedance while maintaining exceptional structural rigidity under high-speed operation. Featuring a robust double ball bearing architecture, the fan ensures consistent rotational stability and extended longevity, even in demanding industrial environments. The motor assembly is optimized for energy efficiency, delivering a superior airflow-to-noise ratio, making it an ideal solution for compact electronic enclosures requiring reliable forced air cooling and sustained static pressure.

Model Number: 109P0424G302

Brand: Sanyo Denki

Series: San Ace 40 (9P Type)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Operating Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.19 A

Rated Power: 4.56 W

Rated Speed: 12500 RPM

Max. Air Flow: 20.5 CFM (0.58 m³/min)

Max. Static Pressure: 19.4 mmH₂O (190 Pa / 0.76 inH₂O)

Noise Level: 44 dB(A)

Bearing Type: Double Ball Bearing

Dimensions: 40 x 40 x 28 mm

Weight: 53 g

Frame Material: Plastics (Flammability: UL94V-0)

Impeller Material: Plastics (Flammability: UL94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -30 to +70 °C

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

Protection: Current Blocking Function, Reverse Polarity Protection

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

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

The 109P0424G302 is specifically designed for high-density electronic assemblies where space is constrained but thermal loads are significant. Common deployment scenarios include 1U server rack cooling, telecommunications switching equipment, and industrial automation control panels. The compact form factor allows the 109P0424G302 to be seamlessly integrated into power supply units and medical instrumentation, ensuring critical components remain within safe operating temperature ranges through efficient airflow delivery.

Supplemental Images

