

109P0612M601 Sanyo Denki 12VDC 60x60x20mm Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [994657155457](#)

Category: Axial & Centrifugal Fans

Price: **\$67.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/109p0612m601-sanyo-denki-12vdc-60x60x20mm-axial-fan>

Product Description

The Sanyo Denki 109P0612M601 is a precision-engineered DC axial fan designed for critical thermal management in compact industrial enclosures. Belonging to the renowned San Ace 60 series, this unit utilizes advanced brushless DC motor technology paired with a robust dual ball bearing architecture to ensure minimal friction and extended operational longevity. The aerodynamic impeller design optimizes the balance between airflow volume and static pressure, effectively reducing thermal impedance within high-density electronic assemblies. Constructed with high-rigidity PBT plastics, the frame and impeller offer superior structural integrity and vibration damping, making it an ideal solution for continuous duty cycles in demanding environments.

Model Number: 109P0612M601

Brand: Sanyo Denki

Product Type: DC Axial Fan

Series: San Ace 60

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.09 A

Power Consumption: 1.08 W

Rated Speed: 3100 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 16.6 CFM (0.47 m³/min)

Max. Static Pressure: 2.7 mmH₂O (26.5 Pa / 0.11 inH₂O)

Dimensions: 60x60x20 mm

Weight: 85 g

Noise Level: 25 dB(A)

Life Expectancy: 40,000 Hours @ 60°C

Termination: 4-Wire Interface

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

Ingress Protection: IP40

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

The 109P0612M601 is frequently deployed in sophisticated electronic applications requiring reliable forced-air cooling, such as server rack power supply units, industrial automation control panels, and medical diagnostic equipment. Its compact form factor allows for seamless integration into 1U and 2U chassis where space is at a premium but thermal dissipation cannot be compromised. Engineers rely on the 109P0612M601 for its consistent performance curve and low acoustic signature, making it suitable for telecommunications gear and precision CNC machinery instrumentation.

Supplemental Images

