109E1724H501 Sanyo Denki 24V 172x51mm DC Axial Fan Datasheet

Brand: Sanyo Denki

SKU: 1036972687195

Category: Axial & Centrifugal Fans

Price: **$94.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/109e1724h501-sanyo-denki-24v-172x51mm-dc-axial-fan

Product Description

The Sanyo Denki 109E1724H501 is a high-performance tubeaxial cooling fan featuring a 172 x 51 mm circular profile, a nominal 24 VDC input, and a maximum airflow capacity of 226.0 CFM. Constructed with a durable aluminum frame and a ribless design, this unit integrates a dual ball bearing system to ensure a prolonged service life of 40,000 hours at 60 °C. The fan operates at a rotational speed of 3050 RPM while consuming 13.92 W of power and generating an acoustic noise level of 47 dB(A). Electrical interfacing is facilitated via a 3-wire lead configuration equipped with a built-in tachometer pulse sensor for precise speed monitoring, alongside integrated locked rotor burnout and reverse polarity protection mechanisms.

109E1724H501 Specifications
Model Number: 109E1724H501
Brand: Sanyo Denki
Series: San Ace 172 (109E Series)
Product Category: DC Axial Fan
Nominal Voltage: 24 VDC
Operating Voltage Range: 20.4 to 27.6 VDC
Nominal Current: 0.58 A
Power Consumption: 13.92 W
Rotational Speed: 3050 RPM

Maximum Airflow: 226.0 CFM
Airflow (Metric): 6.33 m^3/min
Acoustic Noise Level: 47 dB(A)
Physical Dimensions: 172 x 51 mm
Frame Shape: Circular
Weight: 780 g
Bearing System: Dual Ball Bearing
Frame Material: Aluminum
Termination Type: 3-Wire Lead
Sensor Type: Tachometer (Pulse Sensor)
Operating Temperature Range: -20 to 70 °C
Service Life: 40,000 hours at 60 °C
Protection Features: Locked Rotor Burnout Protection, Reverse Polarity Protection

109E1724H501 Applications

Primary applications include integration into CNC spindle cooling systems, telecom base station enclosures, and industrial HVAC control panels. Deployed within high-density server racks and automated manufacturing drive cabinets, this component provides critical thermal management for continuous-duty power supplies and heavy-duty inverter modules.

Supplemental Images