

109R1212H1011 Sanyo Denki 12VDC 0.52A 120x120x38mm Axial Fan Datasheet



Brand: Sanyo Denki

SKU: 899157689132

Category: Axial & Centrifugal Fans

Price: \$25.99

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Product Page:

<https://www.equipspares.com/product/109r1212h1011-sanyo-denki-12vdc-0-52a-120x120x38mm-axial-fan>

Product Description

Sanyo Denki 109R1212H1011 is a 120 x 120 x 38 mm axial fan operating at a nominal 12 VDC with a rated current of 0.52 A. This high-performance cooling unit features a dual ball bearing system and a plastic frame and impeller rated to UL 94V-0 flammability standards. It delivers a maximum airflow of 2.9 m³/min (102.4 CFM) and a maximum static pressure of 64.7 Pa at a rated speed of 2800 RPM. The internal motor architecture includes polarity protection and locked rotor burnout protection, ensuring operational stability across a temperature range of -20 to +70 °C.

109R1212H1011 Specifications

Model: 109R1212H1011

Brand: Sanyo Denki

Series: San Ace 120 (R Series)

Rated Voltage: 12 VDC

Operating Voltage Range: 10.2 to 13.8 VDC

Rated Current: 0.52 A

Rated Input: 6.24 W

Rated Speed: 2800 RPM

Max Airflow: 2.9 m³/min

Max Airflow: 102.4 CFM

Max Static Pressure: 64.7 Pa

Max Static Pressure: 0.260 inchH2O

Noise Level: 39 dB(A)

Operating Temperature: -20 to +70 °C

Storage Temperature: -30 to +70 °C

Expected Life: 40000 hours at 60 °C

Dimensions: 120 x 120 x 38 mm

Mass: 290 g

Frame Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Bearing Type: Dual Ball Bearing

Lead Wire: Red (+), Black (-), Yellow (Sensor)

Sensor Type: Pulse Sensor

109R1212H1011 Applications

Primary applications include integration into industrial frequency inverters, server rack enclosures, and telecommunications power supplies. Deployed within CNC machine control cabinets and medical diagnostic imaging equipment for critical thermal management of high-density electronic components.

Supplemental Images

