109R1212T1H142 Sanyo Denki 12VDC 120x120x38mm Axial Fan Datasheet

Brand: Sanyo Denki

SKU: 655242347128

Category: Axial & Centrifugal Fans

Price: **$15.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/109r1212t1h142-sanyo-denki-12vdc-120x120x38mm-axial-fan

Product Description

The Sanyo Denki 109R1212T1H142 is a precision-engineered DC Axial Fan designed for critical thermal management in high-density electronic enclosures. Utilizing advanced DC motor technology paired with a robust dual ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes airflow dynamics, significantly reducing thermal impedance while maintaining structural rigidity against system backpressure. Engineered for reliability, the 109R1212T1H142 delivers consistent cooling performance, making it an essential component for maintaining system stability in demanding industrial environments.

Model Number: 109R1212T1H142
Brand: Sanyo Denki (San Ace)
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.48 A
Rated Power: 5.76 W
Rated Speed: 2600 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 103.0 CFM (175.0 m^3/h / 2.92 m^3/min)

Max. Static Pressure: 6.4 mmH_2O (62.8 Pa / 0.25 inH_2O)
Dimensions: 120 x 120 x 38 mm
Weight: 290 g
Life Expectancy: 60,000 Hours @ 40°C
Noise Level: 39 dB(A)
Output Signal: Pulse Sensor (Tachometer)
Frame Material: Plastics (Flammability: UL94V-0)
Impeller Material: Plastics (Flammability: UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -30°C to +70°C
Termination: Lead Wires
Protection: Locked Rotor Protection, Reverse Polarity Protection

Designed for robust thermal regulation, the 109R1212T1H142 is widely utilized in enterprise-grade server racks and telecommunications infrastructure where sustained airflow is paramount. Its high-static pressure capabilities make it ideal for cooling power supply units and industrial automation cabinets requiring forced convection through dense component layouts. Additionally, the 109R1212T1H142 serves effectively in medical instrumentation and CNC machinery, ensuring sensitive electronics operate within safe temperature ranges to prevent thermal throttling or hardware failure.

Supplemental Images