

9G0948S2E01 Sanyo Denki 48VDC 0.11A 92x92x32mm Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [921431509345](#)

Category: Axial & Centrifugal Fans

Price: **\$23.99**

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Product Description

The Sanyo Denki 9G0948S2E01 is a precision-engineered DC axial fan designed for high-reliability thermal management within the San Ace 92 series. This unit utilizes a robust dual ball bearing architecture to ensure longevity and minimize frictional wear under continuous operation, significantly reducing thermal impedance over its service life. The aerodynamic impeller design optimizes airflow while maintaining a balanced acoustic profile, making it suitable for industrial environments requiring consistent static pressure. With a nominal 48VDC input, the motor integrates advanced circuitry for locked rotor protection and reverse polarity safety, ensuring structural rigidity and operational stability in demanding electronic enclosures.

Model Number: 9G0948S2E01

Brand: Sanyo Denki

Series: San Ace 92 (9G Type)

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 24.0 - 55.2 VDC

Rated Current: 0.11 A

Rated Input Power: 5.28 W

Rated Speed: 3650 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 74.1 CFM (2.1 m³/min)

Max. Static Pressure: 76.0 Pa (0.305 inH₂O / 7.75 mmH₂O)

Dimensions: 92 x 92 x 32 mm

Weight: 170 g

Noise Level: 42 dB(A)

Life Expectancy: 40,000 Hours at 60°C (L10)

Frame Material: Plastics (Flammability: UL 94V-0)

Impeller Material: Plastics (Flammability: UL 94V-0)

Termination: 3-Wire (Lead Wire)

Sensor Type: Pulse Sensor (Tachometer)

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

Protection: Locked Rotor Burnout Protection, Reverse Polarity Protection

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

Insulation Resistance: 10 MΩ or more at 500 VDC

The 9G0948S2E01 is engineered for critical cooling applications within telecommunications infrastructure and industrial automation systems. Its robust 48V architecture makes it an ideal candidate for server rack ventilation, network switchgear, and power supply units where consistent airflow is paramount. Additionally, the 9G0948S2E01 serves effectively in CNC machinery control panels and medical instrumentation, providing reliable thermal regulation to prevent component overheating in enclosed spaces.

Supplemental Images

