

109P0612M628 Sanyo Denki 12VDC 60x60x20mm DC Axial Fan Datasheet



Brand: Sanyo Denki

SKU: 983578409582

Category: Axial & Centrifugal Fans

Price: \$85.99

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Product Description

The Sanyo Denki 109P0612M628 is a precision-engineered DC Axial Fan designed for compact thermal management within the San Ace 60 series. This unit utilizes a robust double ball bearing architecture to ensure long-term operational stability and reduced frictional wear under continuous load. Operating at a nominal 12VDC with a current draw of 0.09A, it delivers an optimized airflow profile while maintaining low acoustic noise levels. The aerodynamic impeller design minimizes turbulence, enhancing static pressure capabilities essential for overcoming system impedance in dense electronic enclosures. Constructed with high-grade flame-retardant materials, this cooling solution offers superior structural rigidity and reliability for industrial applications requiring consistent heat dissipation.

Model Number: 109P0612M628

Brand: Sanyo Denki

Series: San Ace 60 (109P Type)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Operating Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.09 A

Rated Input Power: 1.08 W

Rated Speed: 3900 RPM

Max. Air Flow: 16.6 CFM (0.47 m³/min)

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

Noise Level: 28 dB(A)

Dimensions: 60x60x20 mm

Bearing Type: Double Ball Bearing

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

Frame Material: Plastics (Flammability: UL94V-0)

Impeller Material: Plastics (Flammability: UL94V-0)

Operating Temperature: -10 to +60 °C

Storage Temperature: -30 to +70 °C

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

Insulation Resistance: 10 MΩ or more at 500 VDC

Motor Protection: Locked Rotor Burnout Protection, Reverse Polarity Protection

Termination: Lead Wires

Mass: 85 g

The 109P0612M628 is frequently deployed in high-density electronic environments such as server rack cooling modules, telecommunications switching gear, and industrial automation control panels. Its compact 60mm footprint allows for integration into space-constrained chassis where efficient airflow is critical for component longevity. Engineers also utilize the 109P0612M628 in medical instrumentation and power supply units to maintain optimal operating temperatures, ensuring system reliability in mission-critical infrastructure.

Supplemental Images

