

9GV0412P3J06 Sanyo Denki 12VDC 40x40x28mm PWM Axial Fan Datasheet



Brand: Sanyo Denki

SKU: 1012131318118

Category: Axial & Centrifugal Fans

Price: \$2.99

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Product Page:

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Product Description

The Sanyo Denki 9GV0412P3J06 is a high-performance axial fan belonging to the renowned San Ace 40 GV series, engineered for applications requiring exceptional static pressure and concentrated airflow. This unit utilizes a sophisticated DC motor architecture paired with a precision dual ball bearing system, ensuring minimal frictional losses and extended operational longevity under continuous load. The aerodynamic design features integrated guide vanes that rectify turbulence, significantly enhancing thermal impedance management in dense electronic enclosures. Constructed with structural rigidity in mind, the frame and impeller are balanced to reduce vibration, making it an optimal solution for critical cooling environments where reliability is paramount.

Model Number: 9GV0412P3J06

Brand: Sanyo Denki

Series: San Ace 40 GV

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.60 A

Power Consumption: 7.2 W

Rated Speed: 18000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 26.5 CFM (0.75 m³/min)
Max. Static Pressure: 570 Pa (2.29 inH₂O / 58.1 mmH₂O)
Dimensions: 40x40x28mm
Weight: 53 g
Life Expectancy: 40,000 Hours at 60°C
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (RPM Sensor)
Noise Level: 56 dB(A)
Ingress Protection: None
Insulation Class: Class E
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Termination: 4-Wire Leads with Connector
Operating Temperature: -20°C to +70°C
Storage Temperature: -30°C to +70°C
Mounting Orientation: Any
Protection: Current Blocking Function, Reverse Polarity Protection
Aerodynamics: Guide Vane Technology

The 9GV0412P3J06 is specifically designed for high-density electronic environments such as 1U server racks, telecommunications switching gear, and compact power supply units where backpressure is a significant challenge. Its guide vane technology allows the 9GV0412P3J06 to push air effectively through restrictive heatsinks and tightly packed components found in industrial automation equipment and medical diagnostic devices.

Supplemental Images

