

9GV3012J301 Sanyo Denki 12VDC 30x30x28mm 0.60A Fan Datasheet



Brand: Sanyo Denki

SKU: [669282958182](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/9gv3012j301-sanyo-denki-12vdc-30x30x28mm-0-60a-fan>

Product Description

The Sanyo Denki 9GV3012J301 is a specialized DC Axial Fan belonging to the renowned San Ace 30 GV (Guide Vane) series, engineered for applications requiring exceptional static pressure within a compact footprint. This unit integrates advanced guide vane geometry within the frame housing, which effectively straightens the airflow discharge, reducing turbulence and significantly enhancing the pressure-to-airflow ratio compared to standard axial designs. Powered by a highly efficient DC motor and supported by a precision dual ball bearing architecture, the fan ensures long-term structural rigidity and operational stability under high-speed rotation. The design minimizes thermal impedance in dense electronic assemblies, making it a critical component for thermal management systems where back-pressure is a limiting factor.

Model Number: 9GV3012J301

Brand: Sanyo Denki

Series: San Ace 30 GV

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Operating Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.60 A

Rated Power: 7.20 W

Rated Speed: 18000 RPM

Max. Air Flow: 16.6 CFM (0.47 m³/min)

Max. Static Pressure: 1.93 inH₂O (480 Pa)

Dimensions: 30 x 30 x 28 mm

Bearing Type: Dual Ball Bearing

Noise Level: 56 dB(A)

Frame Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Life Expectancy: 30,000 Hours @ 60°C

Operating Temperature: -10 to +70°C

Termination: Lead Wires (Red +, Black -)

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Weight: 48 g

The 9GV3012J301 is specifically designed for high-density industrial and computing environments where space is at a premium but cooling requirements are stringent. Common applications include 1U server racks, optical transmission equipment, and compact power supplies where components are tightly packed, creating significant airflow resistance. The high static pressure capability of the 9GV3012J301 allows it to force air through dense heatsinks and restricted ducts effectively. Additionally, this model is frequently utilized in specialized telecommunications gear and precision medical instrumentation requiring reliable spot cooling.

Supplemental Images

