

9GA0812H7003 Sanyo Denki 12VDC 80x80x15mm Low Power Axial Fan Datasheet



Brand: Sanyo Denki

SKU: 949783168036

Category: Axial & Centrifugal Fans

Price: **\$19.99**

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Product Description

The Sanyo Denki 9GA0812H7003 is a precision-engineered DC Axial Fan belonging to the renowned San Ace 80 9GA Low Power Consumption series. Designed for optimal energy efficiency, this unit utilizes advanced motor technology to deliver significant airflow while maintaining a minimal power footprint of just 1.08W. The construction features a robust dual ball bearing architecture, ensuring long-term reliability and reduced mechanical friction, which contributes to an extended service life. Its aerodynamic impeller design minimizes turbulence and noise generation, making it an ideal solution for applications requiring a balance between thermal impedance management and acoustic performance. The frame offers high structural rigidity, suitable for demanding industrial environments.

Model Number: 9GA0812H7003

Brand: Sanyo Denki (San Ace)

Product Type: DC Axial Fan

Series: San Ace 80 (9GA Type)

Rated Voltage: 12VDC

Operating Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.09 A

Input Power: 1.08 W

Rated Speed: 3800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 34.6 CFM (0.98 m³/min)

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

Dimensions: 80x80x15 mm

Noise Level: 28 dB(A)

Life Expectancy: 40,000 Hours @ 60°C / 60,000 Hours @ 40°C

Termination: 3-Wire Leads

Speed Control: Pulse Sensor (Tachometer)

Frame Material: Plastics (UL94V-0)

Impeller Material: Plastics (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

Weight: 65 g

Motor Protection: Locked Rotor Burnout Protection, Reverse Polarity Protection

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

This cooling solution is engineered for diverse thermal management scenarios, ranging from compact server racks to precision medical instrumentation. The 9GA0812H7003 excels in environments where energy conservation is critical without compromising airflow, such as in telecommunications equipment and power supply units. Additionally, the low noise profile of the 9GA0812H7003 makes it highly suitable for office automation devices and desktop computing chassis where acoustic comfort is paramount. Its slim 15mm profile allows for integration into space-constrained enclosures requiring reliable forced air convection.

Supplemental Images

