9A0412J7D07 Sanyo Denki 12VDC 40x40x15mm Axial Fan Datasheet

Brand: Sanyo Denki

SKU: 669833076445

Category: Axial & Centrifugal Fans

Price: **$13.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/9a0412j7d07-sanyo-denki-12vdc-40x40x15mm-axial-fan

Product Description

The Sanyo Denki 9A0412J7D07 is a precision-engineered DC Axial Fan designed for high-density electronic cooling applications within the renowned San Ace 40 series. This unit features a robust Dual Ball Bearing architecture that ensures long-term operational stability and reduced frictional coefficients, significantly enhancing the Mean Time Between Failures (MTBF) under continuous load. Operating at a rated voltage of 12VDC with a current draw of 0.11A, the fan utilizes an optimized impeller geometry to maximize static pressure capabilities while maintaining low acoustic noise levels. The structural rigidity of the 40x40x15mm frame minimizes vibration, providing efficient thermal management and lowering thermal impedance in compact enclosures.

Model Number: 9A0412J7D07
Brand: Sanyo Denki
Product Type: DC Axial Fan
Series: San Ace 40 (9A Type)
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.11 A
Power Consumption: 1.32 W
Rated Speed: 8500 RPM
Bearing Type: Dual Ball Bearing

Max. Air Flow: 8.83 CFM (0.25 m^3/min)
Max. Static Pressure: 6.0 mmH_2O (58.8 Pa / 0.236 inH_2O)
Dimensions: 40x40x15 mm
Weight: 28 g
Noise Level: 33 dB(A)
Life Expectancy: 60,000 Hours @ 60°C
Operating Temperature: -10°C to +70°C
Storage Temperature: -30°C to +70°C
Frame Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Termination: 3-Wire Lead
Sensor Type: Locked Rotor Sensor (D07 Spec)
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

The 9A0412J7D07 is engineered for critical thermal regulation in space-constrained industrial environments. Common deployment scenarios include cooling 1U server power supplies, telecommunications switching equipment, and compact industrial automation controllers where reliable airflow is paramount. The 9A0412J7D07 is also frequently utilized in medical instrumentation and network routers, ensuring component longevity by effectively dissipating heat generated by high-performance processors and power modules.

Supplemental Images