9CRA0412P5G16 Sanyo Denki 12V Counter Rotating Axial Fan Datasheet

Brand: Sanyo Denki

SKU: 1024240433849

Category: Axial & Centrifugal Fans

Price: **$24.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/9cra0412p5g16-sanyo-denki-12v-counter-rotating-axial-fan

Product Description

Sanyo Denki 9CRA0412P5G16 is a 12VDC 40x40x56mm Counter Rotating Axial Fan optimized for high-density thermal management in environments with extreme system impedance. This San Ace 40 series component features a dual-motor architecture with counter-rotating blades designed to neutralize rotational turbulence and maximize structural rigidity. Utilizing a precision dual ball bearing system, the unit minimizes thermal impedance while maintaining a high-velocity airflow profile. Operating at a rated current of 1.0A, this fan delivers exceptional static pressure and volumetric flow rates, making it a critical replacement fan for mission-critical server infrastructure and high-output power conversion modules.

Model Number: 9CRA0412P5G16
Brand: Sanyo Denki
Product Type: Counter Rotating Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 1.0 A
Power: 12.0 W
Rated Speed: 16500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 28.6 CFM (0.81 m^3/min)

Max. Static Pressure: 550 Pa (2.21 inH_2O)
Dimensions: 40 x 40 x 56 mm
Weight: 110 g
Life Expectancy: 40,000 Hours at 60°C
Speed Control: PWM Control / Tachometer Output
Noise Level: 64 dB(A)
Housing Material: Plastic (UL94V-0)
Blade Material: Plastic (UL94V-0)
Operating Temperature: -20 to +70 °C
Storage Temperature: -30 to +70 °C
Protection Features: Locked Rotor Burnout Protection, Reverse Polarity Protection
Certifications: UL, CSA, TUV, RoHS

9CRA0412P5G16 Applications
1. 1U/2U High-Density Servers: The counter-rotating blade design provides the extreme static pressure required to push air through tightly packed PCB components and heat sinks.
2. Telecom Base Stations: High-velocity cooling ensures thermal stability in compact outdoor enclosures where high-impedance filters are present.
3. Industrial Power Supplies: Ideal as a high-performance replacement fan for modular power units requiring constant, high-pressure cooling to prevent thermal throttling.
4. Specialized Combustion Systems: The concentrated airflow profile is technically suited for forced-draft applications in compact biomass or industrial furnaces.

Supplemental Images