CHA9212ES-A(E) SUPERRED 12VDC 92x92x25mm 3-Wire Axial Fan Datasheet

SKU: 1008299199517

Category: Axial & Centrifugal Fans

Price: **$11.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/cha9212es-ae-superred-12vdc-92x92x25mm-3-wire-axial-fan

Product Description

The SUPERRED CHA9212ES-A(E) is a precision-engineered DC axial fan designed for rigorous thermal management in high-density electronic enclosures. Utilizing advanced DC brushless motor technology, this unit delivers consistent airflow while maintaining optimal thermal impedance within the system. The 92mm frame is constructed for structural rigidity, housing an aerodynamic impeller profile that maximizes static pressure delivery against resistance. Rated for 12VDC operation with a current draw of 0.36A, the CHA9212ES-A(E) integrates a 3-wire interface, providing tachometer signal output for real-time speed monitoring. This component is specifically calibrated to balance airflow efficiency with operational longevity, making it a robust solution for critical cooling applications requiring reliable heat dissipation.

Model Number: CHA9212ES-A(E)
Brand: SUPERRED (Cheng Home Electronics)
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.2 VDC
Rated Current: 0.36 A
Power Consumption: 4.32 W
Rated Speed: 3400 RPM (±10%)
Bearing Type: Sleeve Bearing

Max. Air Flow: 58.2 CFM (98.8 m^3/h / 1.65 m^3/min)
Max. Static Pressure: 4.8 mmH_2O (47.1 Pa / 0.19 inH_2O)
Dimensions: 92 x 92 x 25 mm
Weight: 95 g
Life Expectancy: 30,000 Hours at 40°C
Termination: 3-Wire Lead with 3-Pin Connector
Speed Control: Tachometer Output (FG Signal)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Mounting Orientation: Vertical or Horizontal
Ingress Protection: IP20

The CHA9212ES-A(E) is engineered for deployment in demanding thermal environments such as rack-mounted server chassis, desktop workstations, and industrial automation control panels. Its high-static pressure capabilities make the CHA9212ES-A(E) particularly effective for CPU cooling solutions and forced convection in power supply units where maintaining low component temperatures is critical for system stability.

Supplemental Images