PE40281B1-Q00C-A99 SUNON 12VDC 40x40x28mm Axial Fan Datasheet

Brand: SUNON

SKU: 998973045504

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/pe40281b1-q00c-a99-sunon-12vdc-40x40x28mm-axial-fan

Product Description

The SUNON PE40281B1-Q00C-A99 is a high-efficiency DC axial fan engineered for demanding thermal management applications requiring compact yet powerful airflow solutions. Utilizing advanced dual ball bearing architecture, this unit ensures exceptional longevity and structural rigidity under continuous high-speed operation. The aerodynamic impeller design optimizes airflow dynamics to reduce thermal impedance within dense electronic enclosures. Powered by a robust DC motor, it delivers a high static pressure profile essential for overcoming system resistance in server racks and power supply units. The housing is constructed from durable thermoplastic, meeting UL94V-0 flammability standards for industrial safety.

Model Number: PE40281B1-Q00C-A99
Brand: SUNON
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 6.0 - 13.8 VDC
Power: 4.35W
Rated Current: 0.36 A
Rated Speed: 13000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 24.9 CFM (42.3 m^3/h / 0.70 m^3/min)

Max. Static Pressure: 1.15 inH_2O (286.4 Pa / 29.2 mmH_2O)
Dimensions: 40x40x28mm
Weight: 42g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 54.0 dB(A)
Housing Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Termination: 2-Wire (Red +, Black -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP21
Safety Certifications: UL, CUR, TUV

Designed for high-density environments, the PE40281B1-Q00C-A99 excels in cooling 1U server racks and telecommunication equipment where space is limited but heat dissipation requirements are critical. Its high static pressure capabilities make the PE40281B1-Q00C-A99 ideal for forcing air through restrictive heatsinks in industrial power supplies and network switches. Additionally, this model is frequently utilized in compact medical devices and automation control panels requiring reliable, continuous thermal regulation.

Supplemental Images