DB04028B12U-093 AVC 12VDC 40x40x28mm 0.66A Axial Fan Datasheet

Brand: AVC

SKU: 1005089750735

Category: Axial & Centrifugal Fans

Price: **$13.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/db04028b12u-093-avc-12vdc-40x40x28mm-0-66a-axial-fan

Product Description

The AVC DB04028B12U-093 is a high-performance DC axial fan engineered for mission-critical thermal management applications requiring substantial airflow within a compact form factor. Utilizing advanced dual ball bearing architecture, this unit ensures exceptional rotational stability and prolonged operational lifespan under continuous load. The 40x40x28mm frame houses an aerodynamically optimized impeller designed to maximize static pressure, effectively overcoming high thermal impedance in dense electronic enclosures. With a rated input of 12VDC and 0.66A, this component delivers robust cooling performance, maintaining structural rigidity and thermal equilibrium in demanding industrial and server environments.

Model Number: DB04028B12U-093
Brand: AVC (Asia Vital Components)
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.2 VDC
Rated Current: 0.66 A
Power Consumption: 7.92 W
Rated Speed: 13000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 24.0 CFM (40.77 m^3/h / 0.68 m^3/min)

Max. Static Pressure: 35.56 mmH_2O (348.7 Pa / 1.40 inH_2O)
Dimensions: 40x40x28mm
Weight: 48 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 54.0 dBA
Termination: 2-Wire Lead
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP40
Safety Certifications: UL, CUL, TUV, CE

The DB04028B12U-093 is specifically calibrated for high-density computing environments, making it an ideal solution for 1U server racks and blade servers where space is constrained but heat dissipation requirements are extreme. Its compact footprint allows for seamless integration into network switches, power supply units, and industrial automation controllers. By deploying the DB04028B12U-093, engineers can ensure reliable thermal regulation in telecommunications equipment and precision medical devices, preventing thermal throttling and component degradation in continuous-duty cycles.

Supplemental Images


AVC
MODEL DB04028B12U
DC 12V 0.66A -093
BALL BEARING
M7433NC