KD1204PKBX.(2).F.GN Sunon 12VDC 40x40x20mm Tachometer Axial Fan Datasheet

Brand: SUNON

SKU: 709567299509

Category: Axial & Centrifugal Fans

Price: **$7.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/kd1204pkbx-2-f-gn-sunon-12vdc-40x40x20mm-tachometer-axial-fan

Product Description

The Sunon KD1204PKBX.(2).F.GN is a precision-engineered DC Axial Fan designed for high-density thermal management applications requiring robust performance in compact footprints. Utilizing advanced DC brushless motor technology combined with a durable dual ball bearing architecture, this unit ensures exceptional structural rigidity and prolonged operational lifespan under continuous load conditions. The aerodynamic impeller design optimizes airflow dynamics to minimize thermal impedance within restricted enclosures. Engineered for reliability, the KD1204PKBX.(2).F.GN features an integrated tachometer (frequency generator) signal for real-time speed monitoring, making it an ideal solution for critical industrial systems requiring active feedback and consistent cooling performance.

Model Number: KD1204PKBX.(2).F.GN
Brand: Sunon
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 4.5 - 13.8 VDC
Rated Power: 1.5 W
Rated Current: 0.125 A

Rated Speed: 7200 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 10.8 CFM (18.35 m^3/h / 0.31 m^3/min)
Max. Static Pressure: 7.11 mmH_2O (69.72 Pa / 0.28 inH_2O)
Dimensions: 40x40x20mm
Noise Level: 32.5 dB(A)
Termination: 3-Wire Leads with Tachometer Sensor (F Type)
Speed Control: Tachometer Output
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Weight: 31 g
Ingress Protection: IP Class Available upon request
Safety Approvals: UL, CUR, TUV, CE

This compact cooling solution is specifically calibrated for deployment in space-constrained electronic assemblies such as 1U server racks, network switches, and industrial automation controllers. The KD1204PKBX.(2).F.GN provides necessary airflow for localized hotspot mitigation in medical diagnostic equipment and telecommunications power supplies. Furthermore, the KD1204PKBX.(2).F.GN is frequently utilized in CNC control interfaces and embedded systems where reliable thermal dissipation and speed feedback are critical for system stability.

Supplemental Images