BD127620EB Y.S.TECH 12VDC 0.65A 76x75x20mm Blower Fan Datasheet

Brand: Y.S.TECH

SKU: 1014586989563

Category: Axial & Centrifugal Fans

Price: **$21.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/bd127620eb-y-s-tech-12vdc-0-65a-76x75x20mm-blower-fan

Product Description

The Y.S.TECH BD127620EB is a precision-engineered DC centrifugal blower designed for high-static pressure applications within constrained environments. Utilizing advanced DC brushless motor technology, this unit optimizes aerodynamic efficiency through a specialized impeller geometry that reduces turbulence while maintaining consistent airflow. The structural rigidity of the housing ensures minimal vibration during operation, contributing to a lower acoustic profile essential for automotive and embedded systems. Engineered with a robust bearing architecture, the BD127620EB manages thermal impedance effectively, ensuring operational stability under continuous load conditions typical of seat ventilation and localized cooling systems.

Model Number: BD127620EB
Brand: Y.S.TECH (Yen Sun Technology)
Product Type: DC Centrifugal Blower
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.65 A
Input Power: 7.80 W
Rated Speed: 4200 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 12.5 CFM (21.2 m^3/h)

Max. Static Pressure: 18.5 mmH_2O (181 Pa / 0.73 inH_2O)
Dimensions: 76 x 75 x 20 mm
Weight: 90 g
Noise Level: 45.0 dBA
Termination: 3-Wire Lead (Tachometer Output)
Speed Control: Tachometer Signal
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Mounting Orientation: Any
Ingress Protection: IP4X
Life Expectancy: 50,000 Hours at 40°C

The BD127620EB is specifically engineered for automotive interior climate control, serving as a critical component in aftermarket and OEM car seat ventilation modifications. By integrating the BD127620EB into seat cushions and backrests, users achieve efficient thermal regulation and moisture management through forced air circulation. Additionally, this unit is utilized in compact electronic cooling applications where directed airflow is required to dissipate heat from concentrated sources, making the BD127620EB a versatile solution for confined space ventilation.

Supplemental Images


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