252M ebm-papst 12VDC 25x25x8mm Micro DC Axial Fan Datasheet

Brand: ebmpapst

SKU: 727876195132

Category: Axial & Centrifugal Fans

Price: **$64.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/252m-ebm-papst-12vdc-25x25x8mm-micro-dc-axial-fan

Product Description

The ebm-papst 252M is a precision-engineered micro DC Axial Fan designed for thermal management in ultra-compact electronic assemblies. Featuring advanced Sintec sleeve bearing technology, this unit ensures low-noise operation and extended service life by optimizing lubricant retention and reducing friction. The 25x25x8mm chassis is constructed from fiberglass-reinforced PBT, providing exceptional structural rigidity and thermal stability. With a nominal power consumption of just 0.45W, the 252 M delivers consistent airflow to lower thermal impedance in sensitive components without imposing significant energy demands. Its aerodynamic impeller design minimizes turbulence, making it an ideal solution for applications requiring a balance between airflow performance and acoustic discretion.

Model Number: 252M
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 8.0 - 13.5 VDC
Rated Current: 0.038 A
Power Consumption: 0.45 W
Rated Speed: 9500 RPM
Bearing Type: Sintec Sleeve Bearing

Max. Air Flow: 2.35 CFM (4.0 m³/h)
Dimensions: 25 x 25 x 8 mm
Weight: 0.005 kg
Noise Level: 23 dB(A)
Life Expectancy: 50,000 hours @ 20°C
Housing Material: Fiberglass-reinforced PBT plastic (UL94V-0)
Impeller Material: Fiberglass-reinforced PA plastic (UL94V-0)
Termination: 2 Lead Wires (AWG 28, TR 64)
Operating Temperature: -20°C to +70°C
Direction of Rotation: Counter-clockwise viewed toward rotor
Airflow Direction: Air exhaust over struts
Approvals: VDE, CSA, UL

The 252M is specifically engineered for integration into high-density portable electronics and embedded systems where space is critically limited. Typical applications include active cooling for chipsets in handheld medical diagnostic devices, miniature sensor arrays, and precision optical equipment. The 252M is also widely utilized in telecommunications infrastructure for spot cooling specific hotspots on printed circuit boards, ensuring reliable operation of sensitive micro-components.

Supplemental Images