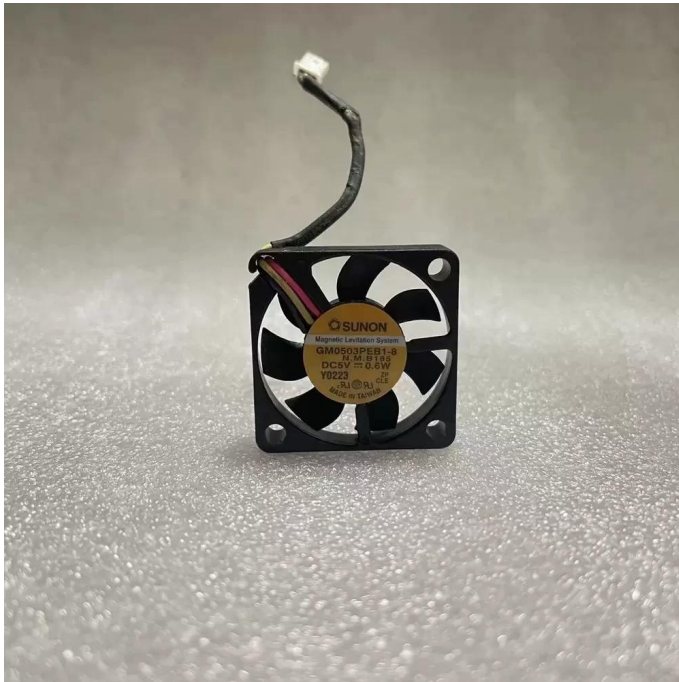


GM0503PEB1-8.N.M.B185 SUNON 5VDC 30x30x7mm Axial Fan Datasheet



Brand: SUNON

SKU: 754005560365

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/gm0503peb1-8-n-m-b185-sunon-5vdc-30x30x7mm-axial-fan>

Product Description

SUNON GM0503PEB1-8.N.M.B185 is a 5VDC 30x30x7mm Axial Fan optimized for high-density electronic cooling where vertical clearance is severely restricted. This ultra-compact cooling solution utilizes a precision dual ball bearing architecture to minimize mechanical friction and extend service life in continuous duty cycles. The aerodynamic impeller design is engineered to reduce thermal impedance in localized hotspots, delivering a rated speed of 9500 RPM while maintaining a low power consumption of only 0.6W. With a rated current of 0.12A and a static pressure capability of 3.81 mmH₂O, this fan ensures reliable heat dissipation in high-impedance environments, providing structural rigidity through its glass-fiber reinforced PBT housing.

Model Number: GM0503PEB1-8.N.M.B185

Brand: SUNON

Product Type: Axial Fan

Rated Voltage: 5 VDC

Voltage Range: 4.0 - 6.0 VDC

Rated Current: 0.12 A

Power: 0.6 W

Rated Speed: 9500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 4.9 CFM (8.33 m³/h / 0.14 m³/min)

Max. Static Pressure: 3.81 mmH₂O (37.36 Pa / 0.15 inH₂O)

Dimensions: 30 x 30 x 7 mm

Weight: 7.5 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 28.0 dB(A)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Termination: 3-Wire Lead (3-Pin Connector)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Insulation Resistance: 10M ohm at 500 VDC

Dielectric Strength: 500 VAC for 1 minute

Protection Features: Locked Rotor Protection, Auto Restart

GM0503PEB1-8.N.M.B185 Applications

1. Handheld Diagnostic Devices: The 7mm ultra-slim profile and low 0.6W power draw maximize battery life while providing essential active cooling for internal processors.
2. Micro-Inverter Cooling: High static pressure relative to size allows for effective heat extraction in sealed, high-component-density power conversion modules.
3. 1U Network Switches: Ideal replacement fan for low-profile networking hardware requiring high-reliability 24/7 operation in high-ambient temperature racks.

Supplemental Images

