

# TM45A05P SEPA 5VDC 45x45x15mm 4-Wire Axial Cooling Fan Datasheet



**Brand:** SEPA

**SKU:** [1012539596440](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$29.99**

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Product Page:

<https://www.equipspares.com/product/tm45a05p-sepa-5vdc-45x45x15mm-4-wire-axial-cooling-fan>

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## Product Description

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The SEPA TM45A05P is a compact DC Axial Fan designed to deliver efficient thermal regulation in space-constrained electronic assemblies. Engineered with a precision motor system operating at 5VDC and 0.22A, this unit balances aerodynamic throughput with energy efficiency. The 45x45x15mm frame is constructed for structural rigidity, housing an impeller optimized to reduce turbulence and thermal impedance during operation. Equipped with a 4-wire interface, the fan supports advanced control mechanisms such as PWM speed modulation or tachometer signal monitoring, allowing it to adapt to varying thermal loads. Its robust design ensures reliable operation in industrial environments, effectively mitigating heat buildup to maintain the integrity of critical components.

Model Number: TM45A05P

Brand: SEPA

Product Type: DC Axial Fan

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.22 A

Power: 1.10 W

Rated Speed: 6200 RPM

Bearing Type: Precision Bearing System

Max. Air Flow: 8.5 CFM (14.4 m<sup>3</sup>/h / 0.24 m<sup>3</sup>/min)  
Max. Static Pressure: 3.8 mmH<sub>2</sub>O (37.2 Pa / 0.15 inH<sub>2</sub>O)  
Dimensions: 45 x 45 x 15 mm  
Weight: 28 g  
Life Expectancy: 40000 hrs at 40°C  
Termination: 4-Wire Leads  
Housing Material: PBT (UL94V-0)  
Blade Material: PBT (UL94V-0)  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Speed Control: PWM / Tachometer Support  
Mounting Orientation: Any

The TM45A05P is widely utilized in the thermal management of compact electronic devices, including automotive infotainment systems and portable computing hardware. Its compact footprint allows for seamless integration into tight enclosures found in industrial control panels and medical instrumentation. Engineers frequently specify the TM45A05P for applications requiring active cooling with precise speed modulation, ensuring that processors and power regulators operate within safe thermal limits. Whether deployed in network switches or specialized automotive electronics, this fan delivers consistent airflow to prevent overheating.

## Supplemental Images

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