



100K 5% Resistor

100KΩ 5% Carbon Film Resistor - General Purpose Fixed Resistor

The 100KΩ 5% resistor is a standard carbon film type designed for general-purpose electronic and electrical applications. With a resistance value of 100,000 ohms and a tolerance of $\pm 5\%$, it is suitable for current limiting, voltage division, and signal conditioning tasks across a wide range of circuits.

Key Specifications:

- **Resistance Value:** 100KΩ (100,000 ohms)
- **Tolerance:** $\pm 5\%$
- **Type:** Fixed Resistor
- **Construction:** Carbon Film
- **Markings:** 125-6, 22-16
- **Weight:** 50 grams


Product Features:


This resistor offers consistent performance with dependable accuracy within its tolerance range. The carbon film composition ensures stable resistance under normal operating conditions, making it ideal for prototyping, repairs, and production work. It fits seamlessly into breadboards and PCBs with through-hole mounting compatibility.


Applications:

Widely used in analog and digital circuits, this 100KΩ resistor is ideal for signal attenuation, biasing active components, voltage dividing networks, timing circuits, and general load applications. Its moderate resistance and standard tolerance make it a staple in both consumer electronics and industrial control systems.

With its reliability and broad usability, the 100K 5% resistor serves as an essential component in any electronics toolkit.

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