

Adjustable Resistor

The Adjustable resistor is an electronic component that can continuously adjust its resistance value. Its core function is to change the resistance by varying the length of the resistance wire connected in the circuit, thereby controlling the current or voltage in the circuit.

■ PRODUCT SPECIFICATIONS

Power Range: 10W-3500W

Resistance Range: 1Ω-100KΩ

Rated Temperature Rise: $\leq 375^{\circ}\text{C}$

Voltage Withstand Between Electrode And Mounting Frame: 3KV

IP Grade: IP00

Resistance Variation Under Rated Power : $\leq \pm 5\%$

Short-term Load Capacity: 10 times power for 6 seconds

Environmental Temperature: -55°C to $+315^{\circ}\text{C}$



Shunt

The Shunt is a precision resistor used for measuring large currents. Its core principle is to divert most of the current to be measured through itself, allowing only a small portion to flow through the measuring instrument, thereby indirectly and safely obtaining the value of the large current by measuring the small current.

■ PRODUCT SPECIFICATIONS

Production Range: 1A-50A 10mV-800mV; 51A-2500A 10mV-300mV

Ambient Condition: -25°C to $+80^{\circ}\text{C}$

Relative Humidity: $<80\%$

Temperature Rise: Put in rated current for 2hr, after the temperature rising steady test it: When the rated current $<100\text{A}$, the temperature rise should be $<80\text{K}$; When the rated current $>100\text{A}$, the temperature rise should be $\leq 100\text{K}$.

OverLoad Performance: 120% of rated current for 2 hours.

Thermoelectric Potential Influence: no more than 50% of the index level.

