

High Voltage Resistors

TYPE: A Series (Conventional General Type)

TYPE: B Series (Non-inductive Type)

TYPE: C Series (The Highest Quality Type)

Power Rating: 1W-400W

Resistance Value: 100Ω-1KKMΩ

Resistance Tolerance: ±1%. ±2%. ±5%. ±10%



● Construction:

1. RI80 uses 95 ceramic as resistor matrix, ZENITHSUN's proprietary thick film metal Glaze resistive element and Design which provides ideal cost efficient, stability, precision and high voltage characteristics .
2. Then the surface coated with red or green glass glaze before high-temperature .

● Features:

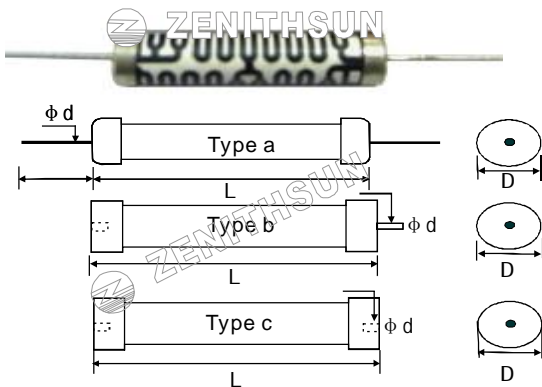
1. The type RI80 precision high voltage resistors were specifically designed for general purpose high voltage systems in industrial.
2. Max Working Voltage from 10KV to 100KV; High Resistance Range from 1 Kohm to 1KK Megohms.
3. Stable performance, extensive resistance, small size, high operating temperature and high ultimate voltage. Highly adaptive pulse load, good high frequency performance.
4. For non-standard technical requirements and custom special applications, please contact us to discuss the details.
5. Delivery: 7-10 days.

● Applications:

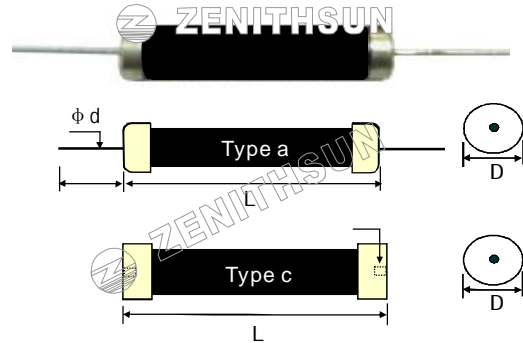
1. The type RI80 precision high voltage resistors were specifically designed for general purpose high voltage systems in industria such as high voltage inverter and high-voltage circuit, voltage divider circuits, and control functions in high voltage power electronics, suitable for Impulse voltage generators, Arc furnace damping, Energy research, Pulse modulators, Radar Pulse-forming networks, Capacitor crowbar circuits, High voltage snubber circuits, X-ray/imaging equipment, and EMI/lightning suppression.
2. Used in environmental protection equipment, medical equipment, electrostatic precipitation equipment, power systems, apparatus and meter, ect.

● Dimensions

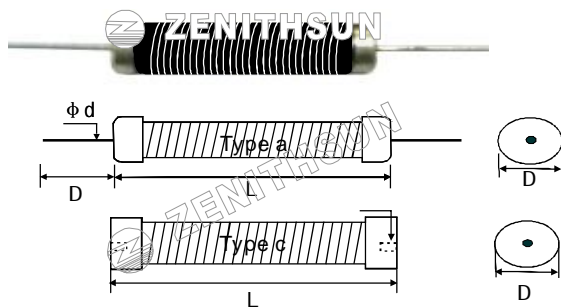
TYPE: A (Conventional General Type)



TYPE: B (Non-inductive Type)



TYPE: C (The Highest Quality Type)



Note:

TYPE B :Applied black resistor film Technology.

TYPE C:Applied black resistor film , the resistance value changed by the fine lines groove.

● Performance Specifications

Power Rating	Type	Dimensions (mm)				Resistance (Ω)	Temp Coefficient	Temp Application	Tolerance	Working V (KV)
		L	D	l	d					
1W	a	30±1	9	30±1	1	100-1KKM	≤200 10 ⁻⁶ /°C	-55°C~70°C	F(±1%) G(±2%) J(±5%) K(±10%)	10
2W	a	50±1	9	30±1	1					15
3W	a	65±1	9	30±1	1					20
5W	a	100±1	9	30±1	1					25
8W	a, b, c	100±1	11	30±1	1					30
10W	a, b, c	147±1	11	30±1	M4					35
20W	b, c	116±2	17		M6					30
30W	b, c	116±2	19		M6					30
50W	b, c	116±2	21		M6					30
80W	b, c	130±2	28		M6					30
100W	b, c	160±2	28		M6	35				
150W	b, c	210±2	28		M6	60				
200W	b, c	260±2	28		M6	60				
300W	b, c	310±2	33		M6	80				

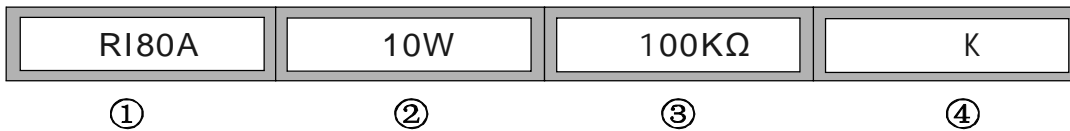
Note:

For non-standard technical requirements and custom special applications, please contact us to discuss the details.

● Performance

1. TYPE A Conventional General high voltage resistors design which uses a serpentine resistive pattern. Most of the customers like this type because of relatively low cost and favorable price.
2. TYPE B Non-Inductive high voltage resistors design which uses a black film with fixed resistance value. High thru-put screen printed glass glaze film coating.
3. TYPE C high voltage resistors applied black resistor film, the resistance value changed by the fine lines groove. The power department use the resistors which for the high voltage testing in the field. With good linearity, low voltage coefficient characteristics, ect, the expensive price for their best quality.

● How To Order



- ① Type: Type A, Type B, Type C
- ② Rated Power (W): 1W-400W
- ③ Resistance Value (Ω): 100Ω-1KkMΩ
- ④ Tolerance (%): ±1%, ±2%, ±5%, ±10%