



High Voltage Resistors

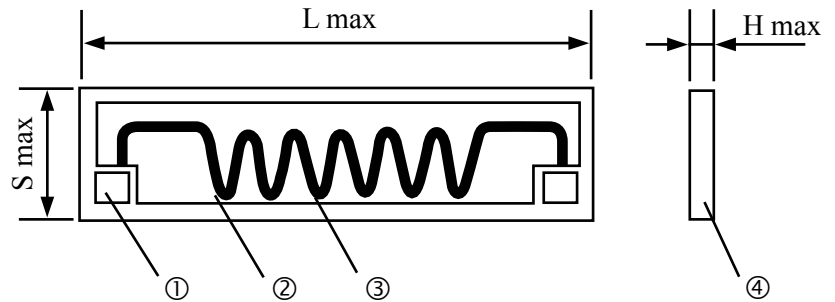
Thick Film Resistors High Voltage Glaze Glass - RI82 / 高压片状玻璃釉膜电阻

RI82 Resistor Chip Type are able to absorb large amounts of energy at high voltage while remaining non-inductive. Ideal for: Capacitor crowbar circuits, Impulse voltage generators, Energy research, Pulse modulators, Radar Pulse-forming networks, High voltage snubber circuits, Arc furnace damping, X-ray/imaging equipment, and EMI / lightning suppression. This general line of high voltage resistor is available in a wide variety of sizes and terminations. They retain the non-inductive and heavy load characteristics. RI82 can handle up to 30 KV.



► Chip Type Dimension (a Style) - Thick Film Resistor High Voltage Glaze Glass

- ① Silver Palladium Pole
- ② Resistent Film
- ③ Insulation Coating
- ④ 96%A1023 Ceramic Base



► Chip Type General Specifications - Thick Film Resistor High Voltage Glaze Glass

Part Number	Rated Wattage (w)	Style	Dimensions					Resistance Range (MΩ)	Temp Coefficient (10 ⁻⁶ / °C)	Resistance Tolerance	Max Working Voltage (KV)
			Lmax	Smax	Hmax	I	dmax				
RI82-2	2	a	33	8	0.8			10-1000	≤200	J(±5%) K(±10%) M(±20%)	15
RI82-2	2	a	25	10	0.8						

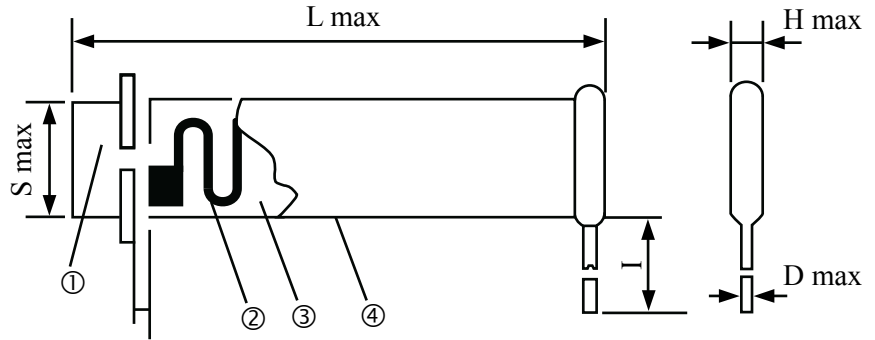
Remark : Rated Continus Working Voltage (RCWW) shall be determined from $RCWW = \sqrt{\text{Power Rating} \times \text{Resistance Value}(\Omega)}$ or Max.Working voltage listed above , whichever two.



High Voltage Resistors

► Dip Type Dimension (b, c Style) - Thick Film Resistor High Voltage Glaze Glass

- ① Silver Palladium Pole
- ② Resistent Film
- ③ Insulation Coating (c style only)
- ④ 96%A1023 Ceramic Base

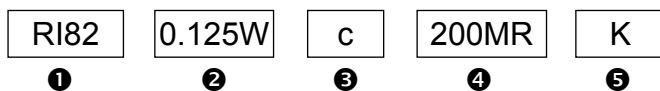


► Dip Type General Specification - Thick Film Resistor High Voltage Glaze Glass

Part Number	Rated Wattage (w)	Dimensions					Resistance Range (MΩ)	Temp Coefficient (10 ⁻⁶ /°C)	Max Working Voltage (KV)	Resistance Tolerance
		L ± 2	S ± 2	H max	I	D max				
RI82-0.1	0.1	21	3.5	2.5	20.0min	0.40	10-1000	≤200	2	F(±1%) G(±2%) J(±5%) K(±10%) M(±20%)
RI82-0.125	0.125	8	3.5	2.5	20.0min	0.56	100-4.7K	≤200	4	
RI82-0.125	0.125	10	5	2.5	24.0min	0.56	100-10K	≤200	4	
RI82-0.25S	0.25S	10	5	2.5	20.0min	0.56	10-1000	≤200	4	
RI82-0.25	0.25	22	4	2.5	20.0min	0.56	100-10K	≤200	4	
RI82-0.25	0.25	25	5	2.5	20.0min	0.56	100-10K	≤200	10	
RI82-0.5	0.5	35	5	2.5	24.0max	0.56	100-10K	≤200	15	
RI82-0.5	0.5	41	5	2.5	42.0max	0.56	100-1KK	≤200	4	
RI82-1	1	25	10	2.5	30.0max	0.56	100-10K	≤200	15	
RI82-1	1	30	8	2.5	30.0max	0.56	100-10K	≤200	15	
RI82-1	1	33	8	2.5	35.0max	0.56	100-10K	≤200	15	
RI82-1	1	38	10	3	45.0max	0.80	10-1000	≤200	20	
RI82-2	2	38	10	3	40.0max	0.80	100-10K	≤200	20	
RI82-2	2	45	10	3	45.0max	0.80	100-10K	≤200	20	
RI82-3	2	50	10	3	45.0max	0.80	100-10K	≤200	20	
RI82-3	3	30	15	3	35.0max	0.80	100-10K	≤200	25	
RI82-3	3	60	10	3	55.0max	0.80	100-100K	≤300	25	
RI82-5	5	80	20	4	60.0max	0.80	100-200	≤300	25	
RI82-10	10	97	23	4	80.0max	0.80	100-200	≤300	30	
RI82-20	20	100	35	4	80.0max	1	100-200	≤300	30	
RI82-30	30	100	48	4	80.0max	1	100-200	≤300	30	

Remark : Rated Continus Working Voltage (RCWW) shall be determined from $RCWW = \sqrt{\text{Power Rating} \times \text{Resistance Value}(\Omega)}$ or Max.Working voltage listed above , whichever two.

► How to Order



- ① Product Type
- ② Rated Power
- ③ Style
- ④ Resistance Value(Ω)
- ⑤ Resistance Tolerance