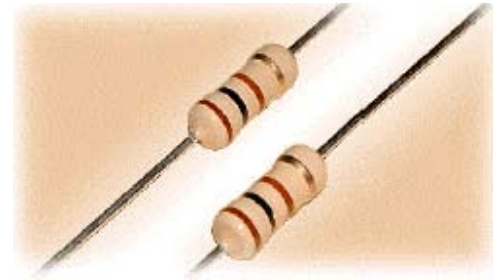




General Resistors

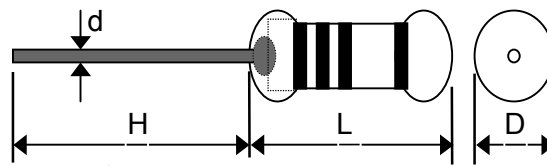
Carbon Resistors - CR Series / 碳膜电阻器

CR Series Resistor are the earliest and a still popular type made by breaking down hydrocarbon gases at high temperature in a vacuum to form a carbonic deposit on the surface of a cylindrical substrate. Trimming to value is accomplished by the cutting of spiral grooves. The material is painted on the substrate in a spiral pattern and cured at a moderately elevated temperature. Token offers competitive prices and widely used in the electronics, and consumer electrical industries.



General Specifications - Carbon Resistors

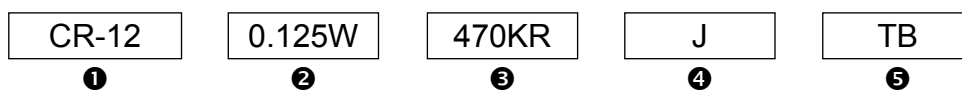
Type RD	Power Rating		Dimension (mm)				Maximum Working Voltage	Maximum Overload Voltage	Resistance Tolerance	
	RD	RDS	L	D	H	d±0.05			± 2%(G)	± 5%(J)
CR-12	1/8 W	.	3.2±0.2	1.5±0.2	26±1	0.40~0.45	200	400	10Ω-470K	1Ω-4.7M
CR-16	1/6 W	1/4 W	3.2±0.2	1.5±0.2	26±1	0.40~0.45	200	400	1Ω-10M	0.5Ω-22M
CR-25	1/4 W	1/2 W	6.2±0.5	2.3±0.3	26±1	0.40~0.50	250	500	1Ω-10M	0.5Ω-22M
CR-33	1/3 W	1/2 W	8.5±0.5	2.8±0.3	26±1	0.50~0.55	250	500	1Ω-10M	0.5Ω-22M
CR-50	1/2 W	1 W	9.0±0.5	3.0±0.5	26±1	0.50~0.55	350	700	1Ω-10M	0.5Ω-22M
CR-100	1 W	2 W	11±1.0	4.0±0.5	35±3	0.75~0.80	500	1000	1Ω-10M	0.5Ω-22M
CR-200	2 W	3 W	15±1.0	5.0±0.5	35±3	0.75~0.80	500	1000	1Ω-10M	0.5Ω-22M
CR-300	3 W	5 W	17±1.0	6.0±0.5	35±3	0.75~0.80	500	1000	1Ω-10M	0.5Ω-22M



Electrical Performance - Carbon Resistors

Test Items	Condition	Spec
Short Time Over Load	2.5 Times of rated voltage for 5sec.	± 1%
Load Life	70 °C on-off cycle 1,000hrs.	± 5%
Moisture-Proof Load Life	40 °C 95% RH on-off cycle 1,000hrs	± 5%
Soldering After Resistance	350 °C for 3sec.	± 0.5%
Temperature Cycle	-30 °C~85 °C 5cycles	± 2%
Resistance Temperature Coefficient	1Ω~22KΩ 22KΩ~510KΩ 510KΩ~1MΩ 1MΩ~2.2MΩ 2.2MΩ~5.1MΩ	± 300PPM / °C ± 450PPM / °C ± 800PPM / °C ± 1000PPM / °C ± 1400PPM / °C

How to Order



- ① Product type
- ② Rated Power (W)
- ③ Resistance Value (Ω)
- ④ Resistance Tolerance
- ⑤ Packaging