



# Resistors & Potentiometers

## Carbon Film 1/8W Carbon Film Resistors

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

### INTRODUCTION

The resistance temperature coefficient of carbon film resistors is relatively high. Their resistance value changes inversely with temperature. But, as they are big in volume, causing quick dissipation of heat and low temperature rise, they are good enough in quality stability and reliability. And are therefore popularly used in consumer electronic appliances. In addition to the above general features. Our CR series carbon film fixed resistors have the following features in particular.

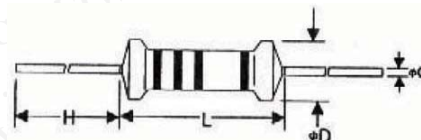
### FEATURES

- Automated mass production, low prices.
- Exception long-term stability.
- Standard tolerance:  $\pm 2\%$ ,  $\pm 5\%$ .
- Variety of packaging-bulk, and taped, cut and formed supplied.

### SPECIFICATION

### DIMENSION

TYPE		MAXIMUM WORKING VOLTAGE	MAXIMUM OVERLOAD VOLTAGE	RESISTANCE RANGE		TYPE		DIMENSION(mm)			
CR	CRS			$\pm 2\%$ (G)	$\pm 5\%$ (J)	CR	CRS	L $\pm 1$	D $\pm 0.5$	H $\pm 3$	d $\pm 0.05$
1/8W		200V	400V	1R~10M	1R~10M	1/8W	1/4W	3.5	1.8	28	0.45



### CHARACTERISTICS

REQUIREMENTS	PERFORMANCE	Test method	
		JIS C 5202	MIL-STD-202
Operating Temp. Range	-55°C ~+155°C	—	—
Dielectric Withstanding Voltage	No evidence of flashover or breakdown	5. 7-A	Method 301
Resistance to solvents	Permanent Marking No physical or electrical damage or deterioration	—	Method 215
Short Time Overload	$\Delta R_{max} \leq \pm (1\% + 0.05\Omega)$	5. 5-A	
Resistance to Soldering Heat	$\Delta R_{max} \leq \pm (1\% + 0.05\Omega)$	6. 4-350°C 3 sec	Method 210
Temperature Cycling	$\Delta R_{max} \leq \pm (0.5\% + 0.05\Omega)$	7. 4-55°C 85°C	Method 107
Vibration	$\Delta R_{max} \leq \pm (0.5\% + 0.05\Omega)$	6. 3. 3-A	Method 204
Moisture Resistance	$R > 100K\Omega$	7. 9. 40°C 90-95% RH. 1000hrs	Method 106
	$R \leq 100K\Omega$		
Load Life	$R > 100K\Omega$	7. 10 70°C 1000hrs	Method 108
	$R \leq 100K\Omega$		
	$\Delta R_{max} \leq \pm (2\% + 0.05\Omega)$		

Part No.	Product No.	Description	Resistance data(Ω)	Tolerance(±)	Power(W)
9675	RC08100EJT	1/8W Carbon Film Resistors	100 ohm	+/-5%	1/8W
17743	RC08100EJT	1/8W Carbon Film Resistors	100 ohm	+/-5%	1/8W
9710	RC08100KJT	1/8W Carbon Film Resistors	100K ohm	+/-5%	1/8W
9661	RC0810E0JT	1/8W Carbon Film Resistors	10 ohm	+/-5%	1/8W
9701	RC0810K0JT	1/8W Carbon Film Resistors	10K ohm	+/-5%	1/8W
9711	RC08110KJT	1/8W Carbon Film Resistors	110K ohm	+/-5%	1/8W
9676	RC08120EJT	1/8W Carbon Film Resistors	120 ohm	+/-5%	1/8W
9717	RC08120KJT	1/8W Carbon Film Resistors	120K ohm	+/-5%	1/8W
9662	RC0812E0JT	1/8W Carbon Film Resistors	12 ohm	+/-5%	1/8W
9702	RC0812K0JT	1/8W Carbon Film Resistors	12K ohm	+/-5%	1/8W
9677	RC08150EJT	1/8W Carbon Film Resistors	150 ohm	+/-5%	1/8W
9663	RC0815E0JT	1/8W Carbon Film Resistors	15 ohm	+/-5%	1/8W
9703	RC0815K0JT	1/8W Carbon Film Resistors	15K ohm	+/-5%	1/8W
9712	RC08180KJT	1/8W Carbon Film Resistors	180K ohm	+/-5%	1/8W
9658	RC081E00JT	1/8W Carbon Film Resistors	1.0 ohm	+/-5%	1/8W
16138	RC081K00JT	1/8W Carbon Film Resistors	1K ohm	+/-5%	1/8W
9689	RC081K20JT	1/8W Carbon Film Resistors	1.2K ohm	+/-5%	1/8W
9690	RC081K50JT	1/8W Carbon Film Resistors	1.5K ohm	+/-5%	1/8W
9713	RC081M00JT	1/8W Carbon Film Resistors	1M ohm	+/-5%	1/8W
9718	RC081M50JT	1/8W Carbon Film Resistors	1.5M ohm	+/-5%	1/8W
9678	RC08200EJT	1/8W Carbon Film Resistors	200 ohm	+/-5%	1/8W
9714	RC08200KJT	1/8W Carbon Film Resistors	200K ohm	+/-5%	1/8W
9664	RC0820E0JT	1/8W Carbon Film Resistors	20 ohm	+/-5%	1/8W
9681	RC08220EJT	1/8W Carbon Film Resistors	220 ohm	+/-5%	1/8W
9704	RC0822K0JT	1/8W Carbon Film Resistors	22K ohm	+/-5%	1/8W
9679	RC08240EJT	1/8W Carbon Film Resistors	240 ohm	+/-5%	1/8W
9665	RC0824E0JT	1/8W Carbon Film Resistors	24 ohm	+/-5%	1/8W
9680	RC08270EJT	1/8W Carbon Film Resistors	270 ohm	+/-5%	1/8W
9666	RC0827E0JT	1/8W Carbon Film Resistors	27 ohm	+/-5%	1/8W
9705	RC0827K0JT	1/8W Carbon Film Resistors	27K ohm	+/-5%	1/8W
9651	RC082E00JT	1/8W Carbon Film Resistors	2.0 ohm	+/-5%	1/8W
9652	RC082E40JT	1/8W Carbon Film Resistors	2.4 ohm	+/-5%	1/8W
9653	RC082E70JT	1/8W Carbon Film Resistors	2.7 ohm	+/-5%	1/8W

