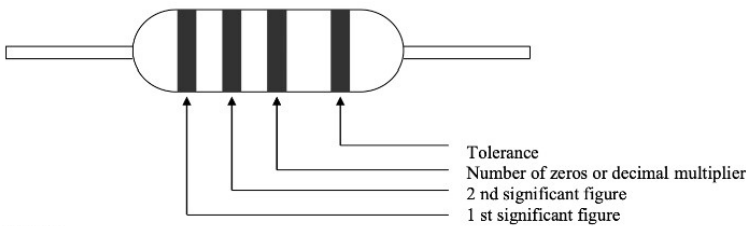


## Carbon Film Resistors Set 500 mW



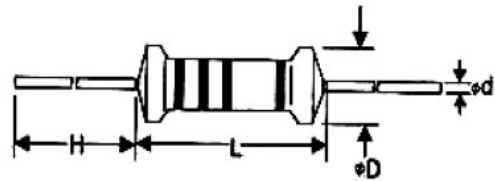
### Resistor color code



#### Color refer

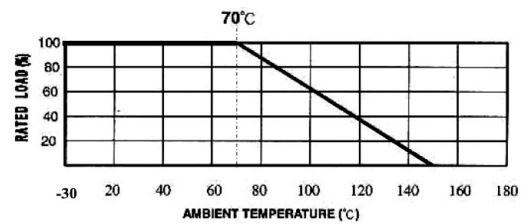
Color	1 st Band	2 nd Band	3 rd Band	4 th Band
Black	0	0	$10^0$	
Brown	1	1	$10^1$	
Red	2	2	$10^2$	$\pm 2.0\%$
Orange	3	3	$10^3$	
Yellow	4	4	$10^4$	
Green	5	5	$10^5$	
Blue	6	6	$10^6$	
Violet	7	7	$10^7$	
Grey	8	8	$10^8$	
White	9	9	$10^9$	
Gold			$10^{-1}$	$\pm 5.0\%$
Silver			$10^{-2}$	$\pm 10.0\%$

### Resistor dimensions



$L = 9.0 \pm 0.5 \text{ mm}$  /  $D = 3.2 \pm 0.3 \text{ mm}$  /  $H = 26 \pm 2 \text{ mm}$  /  $d = 0.4 \text{ mm}$

### Derating @ high temperature



**Technical data:** Rated power: 0.5 W (Derating from  $T_a=70^\circ\text{C}$ ) • Tolerance: 5% • Temp.-range:  $-50 \dots 150^\circ\text{C}$  • Working voltage: 350 V • Dielectric withstanding/overload voltage: max. 700 V • Temp. Coefficient max  $\pm 350 \text{ ppm}/^\circ\text{C}$  ( $<100\text{k}\Omega$ ) /  $0 \dots -700 \text{ ppm}/^\circ\text{C}$  ( $100\text{k}\Omega \dots 1\text{M}\Omega$ ) • Solder ability: Dip the lead in to a solder bath having a Temperature of  $260^\circ\text{C} \pm 5^\circ\text{C}$  up to  $4 \pm 0.8\text{mm}$  from the body of the resistor and hold it for  $5 \pm 0.5$  seconds then inspect.

Part No.	Resistor Value	Content
22P104	1, 10, 47, 100, 150, 220, 330, 470, 1k, 1.5k, 2.2k, 4.7k, 10k, 22k, 33k, 47k, 100k, 220k, 470k, 1M $\Omega$	200 pcs. (10/each)
22P105	1, 10, 47, 100, 150, 220, 330, 470, 1k, 1.5k, 2.2k, 4.7k, 10k, 22k, 33k, 47k, 100k, 220k, 470k, 1M $\Omega$	500 pcs. (25/each)
22P106	1, 10, 47, 100, 150, 220, 330, 470, 1k, 1.5k, 2.2k, 4.7k, 10k, 22k, 33k, 47k, 100k, 220k, 470k, 1M $\Omega$	1000 pcs. (50/each)
22P107	1 $\Omega$	100 pcs.
22P108	10 $\Omega$	100 pcs.
22P109	47 $\Omega$	100 pcs.
22P110	100 $\Omega$	100 pcs.
22P111	150 $\Omega$	100 pcs.
22P112	220 $\Omega$	100 pcs.

Part No.	Resistor Value	Content
22P113	330 $\Omega$	100 pcs.
22P114	470 $\Omega$	100 pcs.
22P115	1 k $\Omega$	100 pcs.
22P116	1.5 k $\Omega$	100 pcs.
22P117	2.2 k $\Omega$	100 pcs.
22P118	4.7 k $\Omega$	100 pcs.
22P119	10 k $\Omega$	100 pcs.
22P120	22 k $\Omega$	100 pcs.
22P121	33 k $\Omega$	100 pcs.
22P122	47 k $\Omega$	100 pcs.
22P123	100 k $\Omega$	100 pcs.
22P124	220 k $\Omega$	100 pcs.
22P125	470 k $\Omega$	100 pcs.
22P126	1 M $\Omega$	100 pcs.