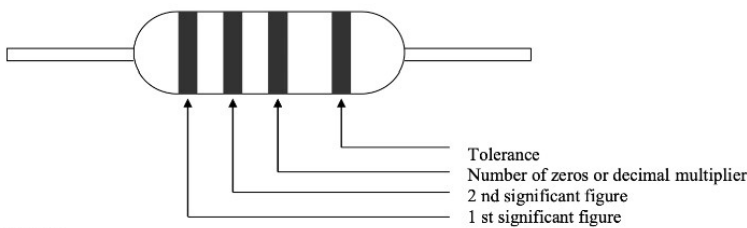


## Carbon Film Resistors Set 250 mW



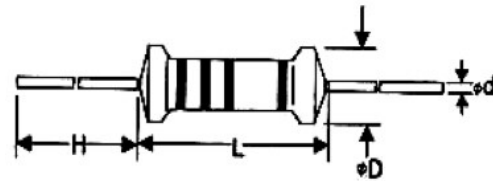
### Resistor color code



#### Color refer

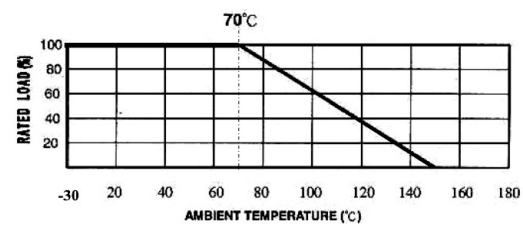
Color	1 st Band	2 nd Band	3 rd Band	4 th Band
Black	0	0	$10^0$	
Brown	1	1	$10^1$	
Red	2	2	$10^2$	$\pm 2.0\%$
Orange	3	3	$10^3$	
Yellow	4	4	$10^4$	
Green	5	5	$10^5$	
Blue	6	6	$10^6$	
Violet	7	7	$10^7$	
Grey	8	8	$10^8$	
White	9	9	$10^9$	
Gold			$10^{-1}$	$\pm 5.0\%$
Silver			$10^{-2}$	$\pm 10.0\%$

### Resistor dimensions



$L = 6.0 \pm 0.5 \text{ mm}$  /  $D = 2.3 \pm 0.3 \text{ mm}$  /  $H = 27 \pm 2 \text{ mm}$  /  $d = 0.33 \text{ mm}$

### Derating @ high temperature



**Technical data:** Rated power: 0.25 W (Derating from  $T_a=70^\circ\text{C}$ ) • Tolerance: 5% • Temp.-range:  $-50 \dots 150^\circ\text{C}$  • Working voltage: 300 V • Dielectric withstanding/overload voltage: max. 600 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
22P058	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)
22P059	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)
22P060	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)
22P061	1 $\Omega$	100 pcs.
22P062	10 $\Omega$	100 pcs.
22P063	47 $\Omega$	100 pcs.
22P064	100 $\Omega$	100 pcs.
22P065	150 $\Omega$	100 pcs.
22P066	220 $\Omega$	100 pcs.

Part No.	Resistor Value	Content
22P067	330 $\Omega$	100 pcs.
22P068	470 $\Omega$	100 pcs.
22P069	1 k $\Omega$	100 pcs.
22P070	1.5 k $\Omega$	100 pcs.
22P071	2.2 k $\Omega$	100 pcs.
22P072	4.7 k $\Omega$	100 pcs.
22P073	10 k $\Omega$	100 pcs.
22P074	22 k $\Omega$	100 pcs.
22P075	33 k $\Omega$	100 pcs.
22P076	47 k $\Omega$	100 pcs.
22P077	100 k $\Omega$	100 pcs.
22P078	220 k $\Omega$	100 pcs.
22P079	470 k $\Omega$	100 pcs.
22P080	1 M $\Omega$	100 pcs.