

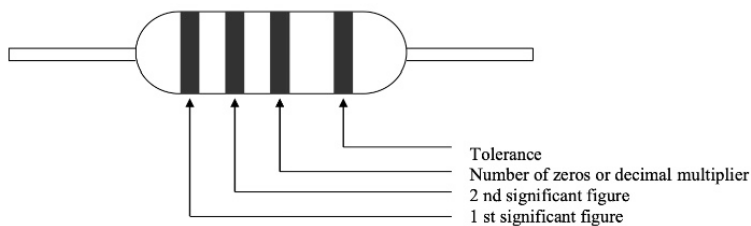
2000 pcs Carbon Film Resistors Set 250 mW Part No. 23P127



RoHS



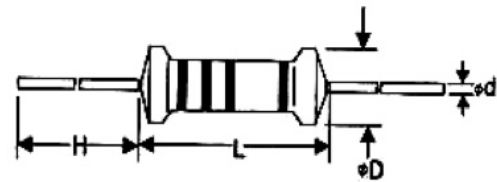
Resistor color code



Color refer

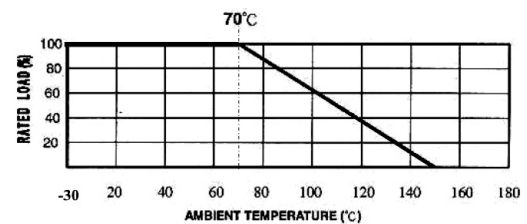
Color	1 st Band	2 nd Band	3 rd Band	4 th Band
Black	0	0	10^0	
Brown	1	1	10^1	
Red	2	2	10^2	$\pm 2.0\%$
Orange	3	3	10^3	
Yellow	4	4	10^4	
Green	5	5	10^5	
Blue	6	6	10^6	
Violet	7	7	10^7	
Grey	8	8	10^8	
White	9	9	10^9	
Gold			10^{-1}	$\pm 5.0\%$
Silver			10^{-2}	$\pm 10.0\%$

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 ± 0.5 seconds then inspect. Content 100 pcs. per value: 1 Ω , 10 Ω , 47 Ω , 100 Ω , 150 Ω , 220 Ω , 330 Ω , 470 Ω , 1k Ω , 1.5k Ω , 2.2k Ω , 4.7k Ω , 10k Ω , 22k Ω , 33k Ω , 47k Ω , 100k Ω , 220k Ω , 470k Ω , 1M Ω • Bending tool • Vitrometer.

Substitute / Refill Packs are available:

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 Ω	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 Ω	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 Ω	1000 pcs. (50/each)
22P061	1 Ω	100 pcs.
22P062	10 Ω	100 pcs.
22P063	47 Ω	100 pcs.
22P064	100 Ω	100 pcs.
22P065	150 Ω	100 pcs.
22P066	220 Ω	100 pcs.

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