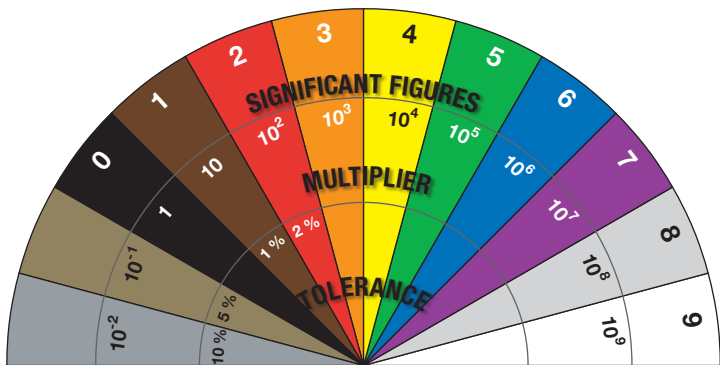
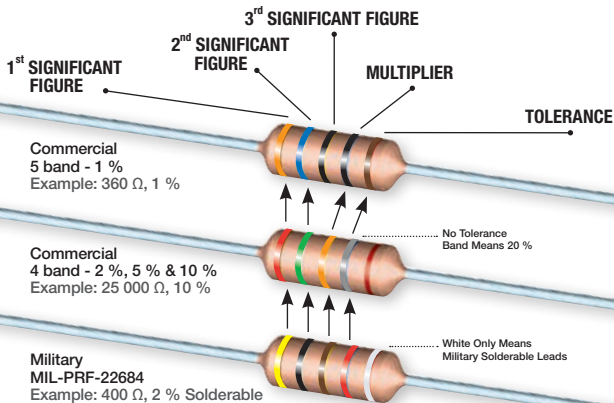


# RESISTOR COLOR CODE CHART





# STANDARD RESISTANCE VALUES

E192		E96		E192		E96		E192		E96	
0.1 %, 0.25 %, 1 % 0.5 %		0.1 %, 0.25 % 1 % 0.5 %		0.1 %, 0.25 %, 1 % 0.5 %		0.1 %, 0.25 %, 1 % 0.5 %		0.1 %, 0.25 %, 1 % 0.5 %		0.1 %, 0.25 %, 1 % 0.5 %	
10.0	10.0	16.9	16.9	28.7	28.7	48.1		81.6			
10.1		17.2		29.1		48.7	48.7	82.5	82.5		
10.2	10.2	17.4	17.4	29.4	29.4	49.3		83.5			
10.4		17.6		29.8		49.9	49.9	84.5	84.5		
10.5	10.5	17.8	17.8	30.1	30.1	50.5		85.6			
10.6		18.0		30.5		51.1	51.1	86.6	86.6		
10.7	10.7	18.2	18.2	30.9	30.9	51.7		87.6			
10.9		18.4		31.2		52.3	52.3	88.7	88.7		
11.0	11.0	18.7	18.7	31.6	31.6	53.0		89.8			
11.1		18.9		32.0		53.6	53.6	90.9	90.9		
11.3	11.3	19.1	19.1	32.4	32.4	54.2		92.0			
11.4		19.3		32.8		54.9	54.9	93.1	93.1		
11.5	11.5	19.6	19.6	33.2	33.2	55.6		94.2			
11.7		19.8		33.6		56.2	56.2	95.3	95.3		
11.8	11.8	20.0	20.0	34.0	34.0	56.9		96.5			
12.0		20.3		34.4		57.6	57.6	97.6	97.6		
12.1	12.1	20.5	20.5	34.8	34.8	58.3		98.8			
12.3		20.8		35.2		59.0	59.0				
12.4	12.4	21.0	21.0	35.7	35.7	59.7					
12.6		21.3		36.1		60.4	60.4				
12.7	12.7	21.5	21.5	36.5	36.5	61.2					
12.9		21.8		37.0		61.9	61.9	10	10		
13.0	13.0	22.1	22.1	37.4	37.4	62.6		11	–		
13.2		22.3		37.9		63.4	63.4	12	12		
13.3	13.3	22.6	22.6	38.3	38.3	64.2		13	–		
13.5		22.9		38.8		64.9	64.9	15	15		
13.7	13.7	23.2	23.2	39.2	39.2	65.7		16	–		
13.8		23.4		39.7		66.5	66.5	18	18		
14.0	14.0	23.7	23.7	40.2	40.2	67.3		20	–		
14.2		24.0		40.7		68.1	68.1	22	22		
14.3	14.3	24.3	24.3	41.2	41.2	69.0		24	–		
14.5		24.6		41.7		69.8	69.8	27	27		
14.7	14.7	24.9	24.9	42.2	42.2	70.6		30	–		
14.9		25.2		42.7		71.5	71.5	33	33		
15.0	15.0	25.5	25.5	43.2	43.2	72.3		36	–		
15.2		25.8		43.7		73.2	73.2	39	39		
15.4	15.4	26.1	26.1	44.2	44.2	74.1		43	–		
15.6		26.4		44.8		75.0	75.0	47	47		
15.8	15.8	26.7	26.7	45.3	45.3	75.9		51	–		
16.0		27.1		45.9		76.8	76.8	56	56		
16.2	16.2	27.4	27.4	46.4	46.4	77.7		62	–		
16.4		27.7		47.0		78.7	78.7	68	68		
16.5	16.5	28.0	28.0	47.5	47.5	79.6		75	–		
16.7		28.4				80.6	80.6	82	82		
								91	–		

Standard resistance values are obtained from the decade table by multiplying or dividing by powers of 10. As an example, 13.3 can represent 0.133 Ω, 1.33 Ω, 13.3 Ω, 133 Ω, 1.33 kΩ, 13.3 kΩ, 133 kΩ, or 1.33 MΩ.

$$B = 0.1 \%, C = 0.25 \%, D = 0.5 \%, F = 1 \%, G = 2 \%, J = 5 \%, K = 10 \%$$

## Resistance Tolerance and Multipliers (MIL-PRF-55342)

Tolerance							Multiplier	Value Range
± 0.1 %	± 0.25 %	± 0.5 %	± 1 %	± 2 %	± 5 %	± 10 %		
A	R	W	D	G	J	M	1	1 Ω - 9xx Ω
B	U	Y	E	H	K	N	1000	1kΩ - 9xx kΩ
C	V	Z	F	T	L	P	1 000 000	1MΩ - 9xx MΩ