

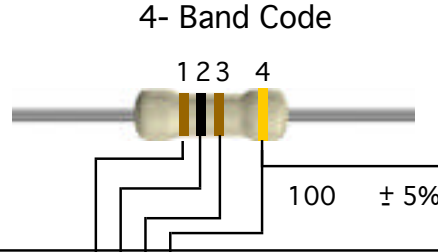
1st Band (F)
2nd Band (S)
Multiplier (M)

Color	Value
Black	0
Brown	1
Red	2
Orange	3
Yellow	4
Green	5
Blue	6
Violet	7
Gray	8
White	9

Band 3	Divide by
Gold	10
Silver	100

Resistor Color Code Quick Guide

	F	S	M
.22 ohm	Red	Red	White
.27 ohm	Red	Violet	White
.33 ohm	Orange	Orange	White
.39 ohm	Orange	White	White
.47 ohm	Yellow	Violet	White
.56 ohm	Green	Violet	White
.68 ohm	Blue	White	White
.82 ohm	Gray	White	White



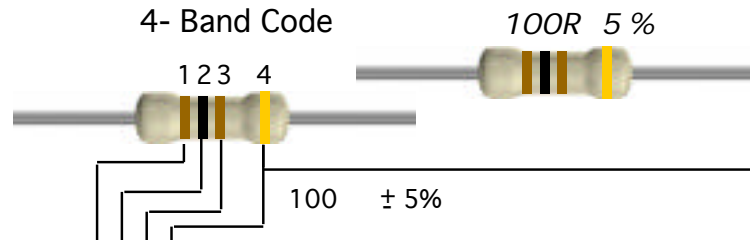
Tolerance	
Brown	± 1 %
Red	± 2 %
Gold	± 5 %
Silver	± 10 %
None	± 20 %

1.0 ohm	10 ohm	100 ohm	1.0 k	10 k	100 k	1 M	10 M
1.1 ohm	11 ohm	110 ohm	1.1 k	11 k	110 k	1.1 M	
1.2 ohm	12 ohm	120 ohm	1.2 k	12 k	120 k	1.2 M	
1.3 ohm	13 ohm	130 ohm	1.3 k	13 k	130 k	1.3 M	
1.5 ohm	15 ohm	150 ohm	1.5 k	15 k	150 k	1.5 M	
1.6 ohm	16 ohm	160 ohm	1.6 k	16 k	160 k	1.6 M	
1.8 ohm	18 ohm	180 ohm	1.8 k	18 k	180 k	1.8 M	
2.0 ohm	20 ohm	200 ohm	2.0 k	20 k	200 k	2.0 M	
2.2 ohm	22 ohm	220 ohm	2.2 k	22 k	220 k	2.2 M	
2.4 ohm	24 ohm	240 ohm	2.4 k	24 k	240 k	2.4 M	
2.7 ohm	27 ohm	270 ohm	2.7 k	27 k	270 k	2.7 M	
3.0 ohm	30 ohm	300 ohm	3.0 k	30 k	300 k	3.0 M	
3.3 ohm	33 ohm	330 ohm	3.3 k	33 k	330 k	3.3 M	
3.6 ohm	36 ohm	360 ohm	3.6 k	36 k	360 k	3.6 M	
3.9 ohm	39 ohm	390 ohm	3.9 k	39 k	390 k	3.9 M	
4.3 ohm	43 ohm	430 ohm	4.3 k	43 k	430 k	4.3 M	
4.7 ohm	47 ohm	470 ohm	4.7 k	47 k	470 k	4.7 M	
5.1 ohm	51 ohm	510 ohm	5.1 k	51 k	510 k	5.1 M	
5.6 ohm	56 ohm	560 ohm	5.6 k	56 k	560 k	5.6 M	
6.2 ohm	62 ohm	620 ohm	6.2 k	62 k	620 k	6.2 M	
6.8 ohm	68 ohm	680 ohm	6.8 k	68 k	680 k	6.8 M	
7.5 ohm	75 ohm	750 ohm	7.5 k	75 k	750 k	7.5 M	
8.2 ohm	82 ohm	820 ohm	8.2 k	82 k	820 k	8.2 M	
9.1 ohm	91 ohm	910 ohm	9.1 k	91 k	910 k	9.1 M	

Resistor Values

Resistor Color Code Notation Quick Guide

- R22
- R27
- R33
- R39
- R47
- R56
- R68
- R82



Tolerance	
Brown	±
Red	±
Gold	±
Silver	± 10 %
None	+ 20 %

1R0	10R	100R	1K0	10K	100K	1M0	10M
1R1	11R	110R	1K1	11K	110K	1M1	
1R2	12R	120R	1K2	12K	120K	1M2	
1R3	13R	130R	1K3	13K	130K	1M3	
1R5	15R	150R	1K5	15K	150K	1M5	
1R6	16R	160R	1K6	16K	160K	1M6	
1R8	18R	180R	1K8	18K	180K	1M8	
2R0	20R	200R	2K0	20K	200K	2M0	
2R2	22R	220R	2K2	22K	220K	2M2	
2R4	24R	240R	2K4	24K	240K	2M4	
2R7	27R	270R	2K7	27K	270K	2M7	
3R0	30R	300R	3K0	30K	300K	3M0	
3R3	33R	330R	3K3	33K	330K	3M3	
3R6	36R	360R	3K6	36K	360K	3M6	
3R9	39R	390R	3K9	39K	390K	3M9	
4R3	43R	430R	4K3	43K	430K	4M3	
4R7	47R	470R	4K7	47K	470K	4M7	
5R1	51R	510R	5K1	51K	510K	5M1	
5R6	56R	560R	5K6	56K	560K	5M6	
6R2	62R	620R	6K2	62K	620K	6M2	
6R8	68R	680R	6K8	68K	680K	6M8	
7R5	75R	750R	7K5	75K	750K	7M5	
8R2	82R	820R	8K2	82K	820K	8M2	
9R1	91R	910R	9K1	91K	910K	9M1	

Resistor Values