

Resistance Color Codes

	1 st Band <i>1st Digit</i>	2 nd Band <i>2nd Digit</i>	3 rd Band <i>Number of Zeros</i>	4 th Band <i>Tolerance</i>
Black	0	0	$10^0 = \times 1$	
Brown	1	1	$10^1 = \times 10$	
Red	2	2	$10^2 = \times 100$	
Orange	3	3	$10^3 = \times 1000$	
Yellow	4	4	$10^4 = \times 10,000$	
Green	5	5	$10^5 = \times 100,000$	
Blue	6	6	$10^6 = \times 1,000,000$	
Violet	7	7	$= \times 10,000,000$	
Gray	8	8	$= \times 100,000,000$	
White	9	9	$\times 1,000,000,000$	
Gold			0.1	+/- 5%
Silver			0.01	+/- 10%

Example

Band 1	Band 2	Band 3	Band 4
Yellow	Violet	Red	Gold
4	7	00	+/- 5%
4700 Ω +/- 5%			
or			
4.7 K Ω +/- 5%			

