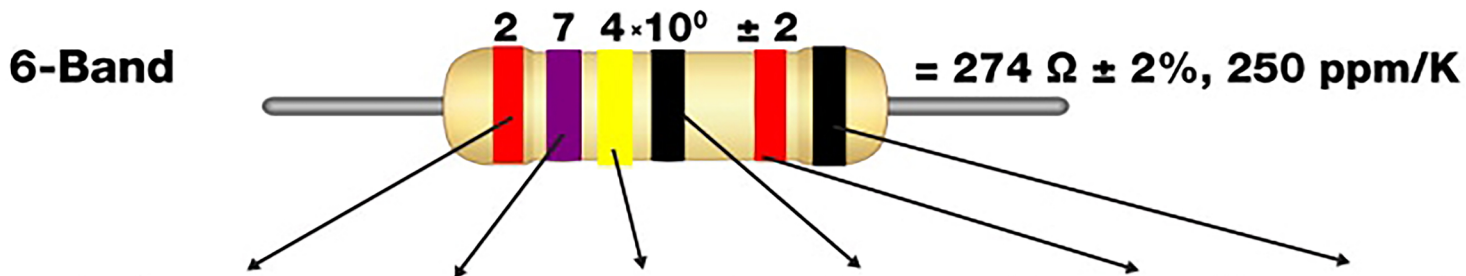


How to Read Resistor Color Codes



Color	1st Digit	2nd Digit	3rd Digit	Multiplier	Tolerance	Temperature Coefficient
Black	0	0	0	1 Ω		250 ppm/K
Brown	1	1	1	10 Ω	$\pm 1\%$	100 ppm/K
Red	2	2	2	100 Ω	$\pm 2\%$	50 ppm/K
Orange	3	3	3	1k Ω		15 ppm/K
Yellow	4	4	4	10k Ω		25 ppm/K
Green	5	5	5	100k Ω	$\pm 0.5\%$	20 ppm/K
Blue	6	6	6	1M Ω	$\pm 0.25\%$	10 ppm/K
Violet	7	7	7		$\pm 0.1\%$	5 ppm/K
Grey	8	8	8			1 ppm/K
White	9	9	9			
Gold				0.1 Ω	$\pm 5\%$	
Silver				0.01 Ω	$\pm 10\%$	

