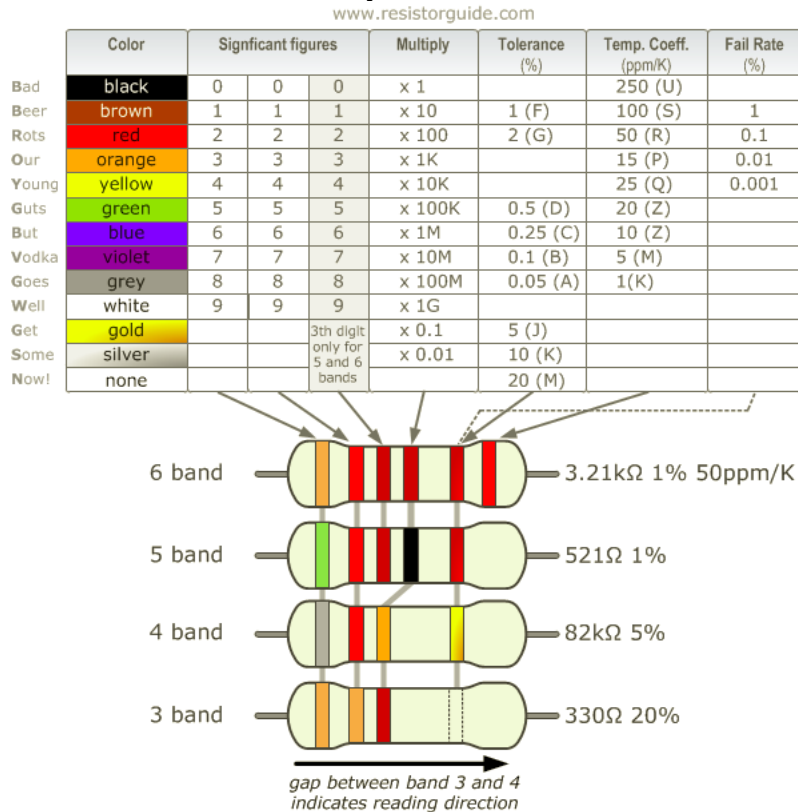


# Resistor color code / Inductor colour code

Resistor values are often indicated with color codes. The coding is defined in the international standard [IEC 60062](http://www.resistorguide.com). This standard describes the marking codes for resistors and capacitors. The color code is given by several bands. Together they specify the resistance value, the tolerance and sometimes the reliability or failure rate.



Read more  
<http://www.resistorguide.com/resistor-color-code/>  
 Youtube  
[https://www.youtube.com/watch?time\\_continue=1&v=SjlnW5g9np4](https://www.youtube.com/watch?time_continue=1&v=SjlnW5g9np4)

**Fig 3.4.1 Four Band Standard EIA Colour Code For Inductors.**



Therefore value = 27 x 10 = 270μH +/-20%

Band	1	2	3	4
Meaning	1 <sup>st</sup> Digit	2 <sup>nd</sup> Digit	Multiplier (No. of zeros)	Tolerance %
Gold			x 0.1 (divide by 10)	+/-5%
Silver			x 0.01 (divide by 100)	+/-10%
Black	0	0	x1 (No Zeros)	+/-20%
Brown	1	1	x10 (0)	
Red	2	2	x100 (00)	
Orange	3	3	x1000 (000)	
Yellow	4	4	x10000 (0,000)	
Green	5	5		
Blue	6	6		
Violet	7	7		
Grey	8	8		
White	9	9		

Note: If no Band 4 is used, tolerance is also +/-20%