1K RESİSTOR COLOR CODE/ 1k0 OHM DATASHEET:

4-BANDS 1k RESİSTOR COLOR CODE İS AS FOLLOWERS :

This resistor most commonly used in electronic circuit and thus you can remember its color code.
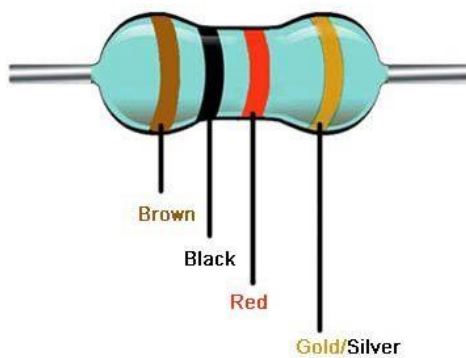

Fig. showing color code of 1k Ohm resistor

1k Resistor color code are:

Brown, Black, Red, Gold

Band	Color	Value
1st Brown		1
2nd Black		0
3rd Red		100
4th gold		5%
		1k±5% Ω

1st band= Brown= **1**(1st digit)

2nd band= Black= **0**(2nd digit)

3rd band= Red= **100**(multiplier)

4th band= Gold= **±5%** (tolerance)

Therefore, 10×100±5% ==> 1000Ω ==> **1kΩ**

And tolerance considered as ==> 5%of1000 ==>**50Ω**

Final assumed value of **1kΩ** resistor is between **950 to 1050Ω**

Other methods 1R Resistor Color Code:

Use a multimeter to read the value of resistor, this is the simplest method. But DMM (digital multimeter) does not read correct values when a resistor is on board, in such situation color code is useful. For more resistor code plz check below links and know other values as well.

1R resistor when not available:

R1 || R2 using two 2KΩ resistor	2k || 2k = 1kΩ
R1 + R2 using two 510Ω resistor	510 + 510 = 1020 Ω