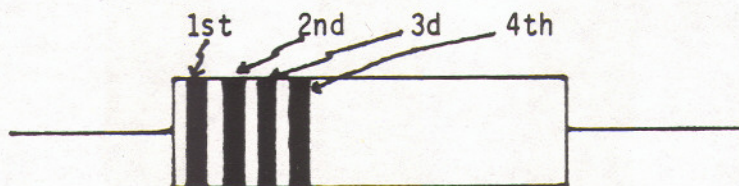


THE RESISTOR COLOR CODE

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

The value of resistance of a resistor is often indicated by this color code:



- First Band: First digit of value
Second Band: Second digit of value
Third Band: Multiplier. The value given by the first two digits is to be multiplied by ten to the power indicated by this digit. One simple way of thinking of this is to consider the color of the third band as indicating the NUMBER OF ZEROS which are to be added to the first two digits to obtain the complete value. Also note that GOLD here indicates a multiplier of 10^{-1} and SILVER indicates a multiplier of 10^{-2} .
Fourth Band: Tolerance - No Band: 20%
Silver Band: 10%
Gold Band: 5%
Fifth Band: Optional - indicates average lifetime

EXAMPLE. If the bands on the resistor are yellow, violet, orange, gold, then its value is 47,000 ohms with a tolerance of 5% (i.e., its actual value is within 5% of 47,000 ohms).