Resistor Value Color Bands
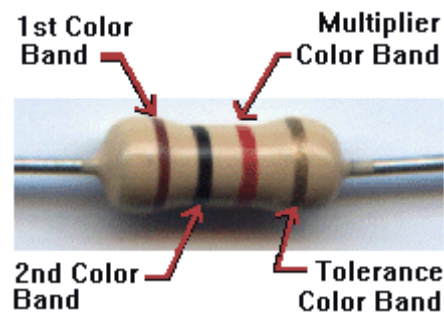
Band Colors	Value Bands, 1st & 2nd	Mulitplier Color Band, 3rd
BLACK	0	x1
BROWN	1	x10
RED	2	x100
ORANGE	3	x1,000 or 1K
YELLOW	4	x10,000 or 10K
GREEN	5	x100,000 or 100K
BLUE	6	x1,000,000 or 1M
VIOLET	7	x10,000,000 or 10M
GRAY	8	x100,000,000 or 100M
WHITE	9	x1000,000,000 or 1G

Note: If third band is gold then divide by 10 and if silver divide by 100.

Resistor Tolerance Color Bands

Band Colors	Tolerance Color Band, 4th
GOLD	5%
SILVER	10%
NONE	20%

Example (1.0 KΩ or 1000 Ω resistor with ±5%)

$$10 \times 10^2$$