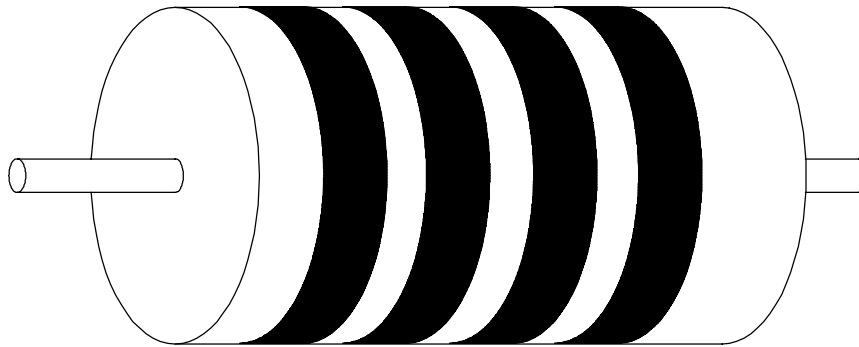


Appendix B

Resistor Colour Code



1st 2nd 3rd 4th

BANDS

Colour	First Band	Second Band	Third Band
Black	0	0	10^0
Brown	1	1	10^1
Red	2	2	10^2
Orange	3	3	10^3
Yellow	4	4	10^4
Green	5	5	10^5
Blue	6	6	10^6
Violet	7	7	10^7
Gray	8	8	10^8
White	9	9	10^9
Gold	-	-	10^{-1}
Silver	-	-	10^{-2}

Silver is $\pm 10\%$ tolerance

Fourth Band: Gold is $\pm 5\%$ tolerance

No band is $\pm 20\%$ tolerance

For example, the resistance of a resistor whose bands are red, red, red, silver is

$$22 \times 10^2 \rightarrow 2.2 \text{ k}\Omega \pm 10\%$$