

Name..... Group..... Mark.....

9.9 Burglar Alarm project - Resistor Colour Code

RESISTOR COLOUR CODE		
Colour		Value
Black		0
Brown		1
Red		2
Orange		3
Yellow		4
Green		5
Blue		6
Violet		7
Grey		8
White		9

Resistance is measured in ohms (?)

Four colour bands on the resistor show the value of the resistance provided. The first three bands give the value (or number) of the resistor. The fourth band gives you the tolerance and is either silver or gold (silver $\pm 10\%$, gold $\pm 5\%$)

1st number

2nd number

Number of 0s

Tolerance

Brown = 1 Black = 0 Brown = 1 zero = 100Ω

Brown = 1 Green = 5 Orange = 3 zeros = 15000Ω

Work out the resistance (in Ohms ?) of the following resistors. Disregard the tolerance band (gold or silver band)

<p>1.</p> <p>Blue = _____ Violet = _____ Red = _____ zeros = _____ Ω</p>	<p>2.</p> <p>White = _____ Orange = _____ Brown = _____ zeros = _____ Ω</p>
<p>3.</p> <p>Red = _____ Green = _____ Brown = _____ zeros = _____ Ω</p>	<p>4.</p> <p>Blue = _____ Yellow = _____ Orange = _____ zeros = _____ Ω</p>