Resistor Colour Code Chart

Colour	Value	Multiplying factor	Tolerance
Black	0	1	_
Brown	1	10	1%
Red	2	100	2%
Orange	3	1 000	_
Yellow	4	10 000	_
Green	5	100 000	0.5%
Blue	6	1 000 000	0.25%
Violet	7	_	0.1%
Grey	8	_	-
White	9		-
Gold	_	0.1	5%
Silver		0.01	10%

(a) Use the Resistor Colour Code Chart to find the colour code of the resistor.

Value	Tolerance	Band 1	Band 2	Band 3	Band 4
680	1%	Blue	Grey	Brown	Brawn

2

3

(b) Determine the maximum value of the following resistor, showing all working.

1	Band 1	Band 2	Band 3	Band 4	
	Red	Black	Blue	Gold	
	Resiter	- Value	= 26M	<u> 1 5'</u>	6

... Max Value = $26 \times 10^6 + (26 \times 10^6 \times \frac{5}{100})$ = $27.3 M \Omega$ = 27.3000000Ω