Question 18 (5 marks)

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%

Resistor Colour Code Chart

(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	Black	Brown

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

	Band 1	Band 2	Band 3	Band 4	
	Red	Black	Blue	Gold	
fed	1=2		216	SL= 5%)
Blac	;k-1				
Bu	e=6				
Gold	-5%				
		,			
	*	•••••			• • • • • • • • • • • • • • • • • • • •

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