

Identifying Resistors Questions

Question 1

A resistor has the following coloured bands: RED, VIOLET, RED, GOLD. What is the value and tolerance of the resistor?

- A. $272 \pm 10\%$
- B. $272 \Omega \pm 5\%$
- C. $270 \Omega \pm 10\%$
- D. $270 \Omega \pm 5\%$
- E. $2700 \Omega \pm 10\%$
- F. $2700 \Omega \pm 5\%$

Question 2

A resistor has the following coloured bands: GRAY, RED, BLACK, SILVER. What is the value and tolerance of the resistor?

- A. $82 \Omega \pm 10\%$
- B. $82 \Omega \pm 5\%$
- C. $820 \Omega \pm 10\%$
- D. $820 \Omega \pm 5\%$
- E. $8200 \Omega \pm 10\%$
- F. $8200 \Omega \pm 5\%$

Question 3

What is the colour code for a 330Ω resistor with a tolerance of $\pm 5\%$?

- A. Orange Orange Black Silver
- B. Orange Orange Black Gold
- C. Orange Orange Brown Silver
- D. Orange Orange Brown Gold

Question 4

What is the colour code for a 6.8 M Ω resistor with a tolerance of $\pm 10\%$?

- A. Blue Gray Blue Silver
- B. Blue Gray Green Silver
- C. Blue Gray Yellow Silver
- D. Blue Gray Orange Silver
- E. Blue Gray Red Silver

Question 5

A resistor marked as 1R5K has a resistance of:

- A. 1.5 $\Omega \pm 5\%$
- B. 1.5 $\Omega \pm 10\%$
- C. 1500 $\Omega \pm 10\%$
- D. 1500 $\Omega \pm 5\%$

Question 6

A resistor marked as 240KJ has a resistance of:

- A. 240 $\Omega \pm 5\%$
- B. 240 $\Omega \pm 10\%$
- C. 240,000 $\Omega \pm 5\%$
- D. 240,000 $\Omega \pm 10\%$

Question 7

How would a 1.6 k Ω with a tolerance of $\pm 5\%$ be marked using the BS1852 code?

- A. 1.6KJ
- B. 1K6J
- C. 1600RJ
- D. 1600RK

Question 8

A surface mounted resistor is marked 473. What is the value of the resistor?

- A. $473\ \Omega$
- B. $470\ \Omega$
- C. $4700\ \Omega$
- D. $47000\ \Omega$

Question 9

A potentiometer is marked 104. What is the value of the potentiometer?

- A. $104\ \Omega$
- B. $1000\ \Omega$
- C. $10,000\ \Omega$
- D. $100,000\ \Omega$

Question 10

What would be numerical code on a surface mounted resistor with a value of $9.1\ \text{k}\Omega$?

- A. 910
- B. 911
- C. 912
- D. 913

Answers

1. F
2. A
3. D
4. B
5. B
6. C
7. B
8. D
9. D
10. C

Website

http://www.pfnicholls.com/Electronics_Resources/QuestionIndex.html

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