

Sústava SI

| | | | |
|------------------|----------|-----------|-----|
| Dĺžka | l | meter | m |
| Hmotnosť | m | kilogram | kg |
| Čas | t | sekunda | s |
| Teplota | T | kelvin | K |
| Elektrický Prúd | I | Ampér | A |
| Svietivosť | I | Kandela | cd |
| Látkové množstvo | r | mol | mol |
| Rovinný uhol | α | radián | rad |
| Priestorový uhol | ω | steradián | sr |

Značenie rezistora

How to Read Resistor Color Codes

6-Band = $274 \Omega \pm 2\%$, 250 ppm/K

| Color | 1st Digit | 2nd Digit | 3rd Digit | Multiplier | Tolerance | Temperature Coefficient |
|--------|-----------|-----------|-----------|---------------|--------------|-------------------------|
| Black | 0 | 0 | 0 | 1 Ω | | 250 ppm/K |
| Brown | 1 | 1 | 1 | 10 Ω | $\pm 1\%$ | 100 ppm/K |
| Red | 2 | 2 | 2 | 100 Ω | $\pm 2\%$ | 50 ppm/K |
| Orange | 3 | 3 | 3 | 1k Ω | | 15 ppm/K |
| Yellow | 4 | 4 | 4 | 10k Ω | | 25 ppm/K |
| Green | 5 | 5 | 5 | 100k Ω | $\pm 0.5\%$ | 20 ppm/K |
| Blue | 6 | 6 | 6 | 1M Ω | $\pm 0.25\%$ | 10 ppm/K |
| Violet | 7 | 7 | 7 | | $\pm 0.1\%$ | 5 ppm/K |
| Grey | 8 | 8 | 8 | | | 1 ppm/K |
| White | 9 | 9 | 9 | | | |
| Gold | | | | 0.1 Ω | $\pm 5\%$ | |
| Silver | | | | 0.01 Ω | $\pm 10\%$ | |

4-Band = $12 \times 10^3 \pm 5\%$ = 1,200 k Ω $\pm 5\%$

5-Band = $100 \times 10^2 \pm 1\%$ = 10,000 Ω $\pm 1\%$