**Resistors Color Code**

**1st Color Band: First digit of value**

**2nd Color Band: Second digit of value**



**Tolerance**

 **3rd Color Band: Multiplier or numbers of zeros**

**Example:**

|  |  |  |  |
| --- | --- | --- | --- |
| Brown1 | Black0 | Yellow0000 | Gold5% |

|  |  |  |
| --- | --- | --- |
|  | **Significant Digit** | **Decimal Multiplier** |
|  | First and second band | Third band |
| Black | 0 | 1 |
| Brown | 1 | 10 |
| Red | 2 | 100 |
| Orange | 3 | 1,000 (k) |
| Yellow | 4 | 10,000 |
| Green | 5 | 100,000 |
| Blue | 6 | 1,000,000 (M) |
| Violet | 7 | 10,000,000 |
| Gray | 8 | 100,000,000 |
| White | 9 | 1,000,000,000 |