**Worksheet - Resistor Color Codes NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

*The purpose of this worksheet is to help review your understanding of resistor color codes. Given 10 different sets of color bands, determine the resistor values and tolerances.*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1st Band | 2nd Band | 3rd Band | 4th Band | Value | Upper limit | Lower limit |
| Green | Red | Brown | Silver |  |  |  |
| Blue | Gray | Black | Red |  |  |  |
| Brown | Orange | Orange | Gold |  |  |  |
| Yellow | Green | Black | Gold |  |  |  |
| Violet | Yellow | Red | Silver |  |  |  |
| Red | Red | Yellow | Gold |  |  |  |
| Orange | Violet | Brown | Red |  |  |  |
| White | Black | Green | Gold |  |  |  |
| Orange | White | Black | Silver |  |  |  |
| Green | Blue | Red | Red |  |  |  |