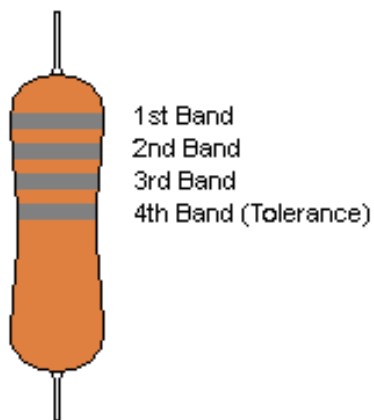


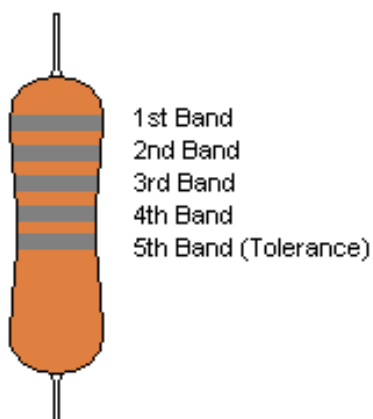
## Resistor Component Colour Codes

### Four Band Resistors



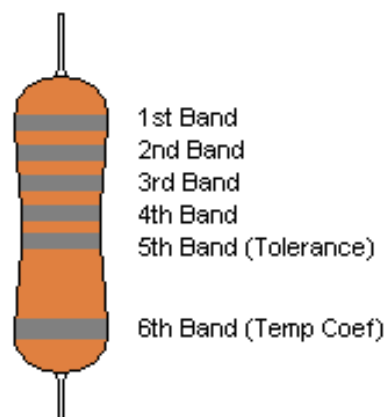
| 1st Band | 2nd Band | 3rd Band                   | 4th Band (Tolerance) |
|----------|----------|----------------------------|----------------------|
| Black 0  | Black 0  | Silver Divide by 100       | Red +/- 2%           |
| Brown 1  | Brown 1  | Gold Divide by 10          | Gold +/- 5%          |
| Red 2    | Red 2    | Black Multiply by 1        | Silver +/- 10%       |
| Orange 3 | Orange 3 | Brown Multiply by 10       |                      |
| Yellow 4 | Yellow 4 | Red Multiply by 100        |                      |
| Green 5  | Green 5  | Orange Multiply by 1,000   |                      |
| Blue 6   | Blue 6   | Yellow Multiply by 10,000  |                      |
| Violet 7 | Violet 7 | Green Multiply by 100,000  |                      |
| Grey 8   | Grey 8   | Blue Multiply by 1,000,000 |                      |
| White 9  | White 9  |                            |                      |

### Five Band Resistors



| 1st Band | 2nd Band | 3rd Band | 4th Band                   | 5th Band (Tolerance) |
|----------|----------|----------|----------------------------|----------------------|
| Black 0  | Black 0  | Black 0  | Silver Divide by 100       | Brown +/- 1%         |
| Brown 1  | Brown 1  | Brown 1  | Gold Divide by 10          | Red +/- 2%           |
| Red 2    | Red 2    | Red 2    | Black Multiply by 1        | Gold +/- 5%          |
| Orange 3 | Orange 3 | Orange 3 | Brown Multiply by 10       | Silver +/-10%        |
| Yellow 4 | Yellow 4 | Yellow 4 | Red Multiply by 100        |                      |
| Green 5  | Green 5  | Green 5  | Orange Multiply by 1,000   |                      |
| Blue 6   | Blue 6   | Blue 6   | Yellow Multiply by 10,000  |                      |
| Violet 7 | Violet 7 | Violet 7 | Green Multiply by 100,000  |                      |
| Grey 8   | Grey 8   | Grey 8   | Blue Multiply by 1,000,000 |                      |
| White 9  | White 9  | White 9  |                            |                      |

### Six Band Resistors



| 1st Band | 2nd Band | 3rd Band | 4th Band                   | 5th Band (Tolerance) | 6th Band (Temp.Coef) |
|----------|----------|----------|----------------------------|----------------------|----------------------|
| Black 0  | Black 0  | Black 0  | Silver Divide by 100       | Brown +/- 1%         | Brown 100            |
| Brown 1  | Brown 1  | Brown 1  | Gold Divide by 10          | Red +/- 2%           | Red 50               |
| Red 2    | Red 2    | Red 2    | Black Multiply by 1        | Gold +/- 5%          | Yellow 25            |
| Orange 3 | Orange 3 | Orange 3 | Brown Multiply by 10       | Silver +/-10%        | Orange 15            |
| Yellow 4 | Yellow 4 | Yellow 4 | Red Multiply by 100        |                      | Blue 10              |
| Green 5  | Green 5  | Green 5  | Orange Multiply by 1,000   |                      | Violet 5             |
| Blue 6   | Blue 6   | Blue 6   | Yellow Multiply by 10,000  |                      | White 1              |
| Violet 7 | Violet 7 | Violet 7 | Green Multiply by 100,000  |                      |                      |
| Grey 8   | Grey 8   | Grey 8   | Blue Multiply by 1,000,000 |                      |                      |
| White 9  | White 9  | White 9  |                            |                      |                      |

