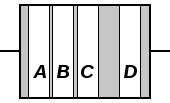
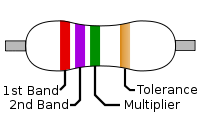
[](http://en.wikipedia.org/wiki/File:Resistor_bands.svg)[](http://en.wikipedia.org/wiki/File:4-Band_Resistor.svg)  
To distinguish left from right there is a gap between the C and D bands.

* band **A** is first significant figure of component value (left side)
* band **B** is the second significant figure
* band **C** is the decimal multiplier
* band **D** if present, indicates tolerance of value in percent (no color means 20%)

The standard color code per [EN 60062](http://en.wikipedia.org/wiki/EN_60062):2005 is as follows:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **H** | **F** | **Ohm** | **Color** | **Significant figures** | **Multiplier** | **Tolerance** | | **Temp. Coefficient (ppm/K)** | |
| 10µ's | 10p's | 10's | Black | 0 | ×100 | – | | 250 | U |
| 100µ's | 100p's | 100's | Brown | 1 | ×101 | ±1% | F | 100 | S |
| 1m's | 1n's | 1k's | Red | 2 | ×102 | ±2% | G | 50 | R |
| 10m's | 10n's | 10k's | Orange | 3 | ×103 | – | | 15 | P |
| 100m's | 100n's | 100k's | Yellow | 4 | ×104 | – | | 25 | Q |
| 1's | 1µ's | 1M's | Green | 5 | ×105 | ±0.5% | D | 20 | Z |
| 10's | 10µ's | 10M's | Blue | 6 | ×106 | ±0.25% | C | 10 | Z |
| 100's | 100µ's | 100M's | Violet | 7 | ×107 | ±0.1% | B | 5 | M |
| 1k's | 1m's | 1G's | Gray | 8 | ×108 | ±0.05% | A | 1 | K |
| 10k's | 10m's | 10G's | White | 9 | ×109 | – | | – | |
| 1µ's | 1p's | 1's | Gold | – | ×10-1 | ±5% | J | – | |
| 1/10µ's | 1/10p's | 1/10's | Silver | – | ×10-2 | ±10% | K | – | |
| - | - | - | None | – | – | ±20% | M | – | |
|  | | | | | | | | | | |
| 1. Any temperature coefficent not assigned its own letter shall be marked "Z", and the coefficient found in other documentation. 2. For more information, see [EN 60062](http://en.wikipedia.org/wiki/EN_60062). | | | | | | | | | | |