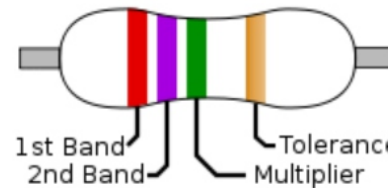
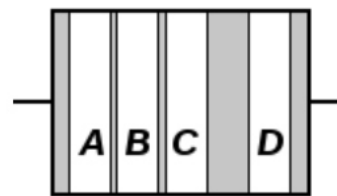
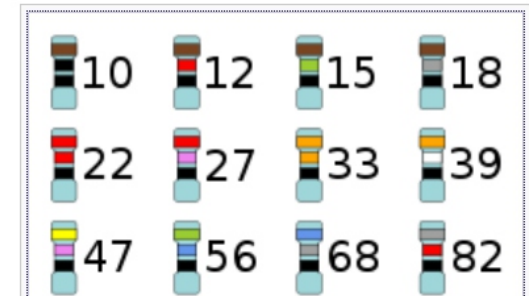


Color	Significant figures	Multiplier
Black	0	
Brown	1	0
Red	2	00
Orange	3	,000
Yellow	4	0,000
Green	5	00,000
Blue	6	,000,000
Violet	7	0,000,000
Gray	8	
White	9	



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%)
silver indicates 10% tolerance
gold indicates 5% tolerance

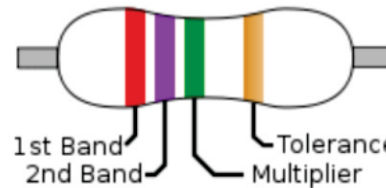
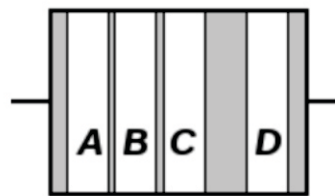


One decade of the [E12 series](#) (there are twelve preferred values per decade of values) shown with their electronic color codes on [resistors](#).



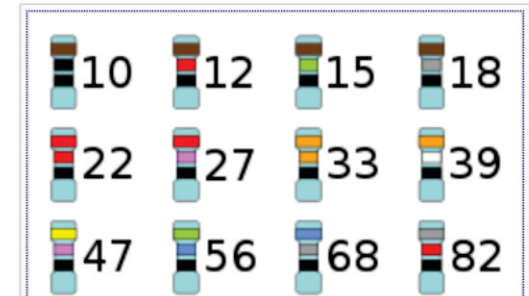
ELECTRONIC RESISTOR COLOR CODE

Color	Significant figures	Multiplier
Black	0	
Brown	1	0
Red	2	00
Orange	3	,000
Yellow	4	0,000
Green	5	00,000
Blue	6	,000,000
Violet	7	0,000,000
Gray	8	
White	9	



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)
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One decade of the E12 series (there are twelve preferred values per decade of values) shown with their electronic color codes on resistors.



ELECTRONIC RESISTOR COLOR CODE