Resistor Values: Ohm's Law: Вk 3 or 4 bands Br grouped to one side of package. Band on the inside or milli (m): is multiplier 0.001 Yw (# of zeros) micro (μ) : Gn 0.000 001 Tolerance: в1 6 nano (n): Silver 10% Pr 0.000 000 001 Gold 5% s1 Red 2% pico (p): Brown 1% 0.000 000 000 001 Wh

Surface Mount Resistor Codes:

Two common tolerances: three (5%) or four (1%) digits. Last digit is the multiplier.

R is used to mark a decimal point (no multiplier).

Three Digit Capacitor Codes: Value in Pico-Farads

Third digit: 0-5 = multiplier 8 = 0.01 9 = 0.1

Power Equation:

 $Watts = \frac{Volts^2}{Ohms}$

Bk	0	Resistor V		Ohm's Law:
Br	1	3 or 4 bands grouped to one side of package. Band on the inside is multiplier		$I = \frac{V}{R}$
Rd	2			- R
Or	3			milli (m):
Yw	4	(# of zer		0.001
Gn	5	(micro (μ) :
в1	6	Tolerance Silver 10	المركم الا	0.000 001 nano (n):
Pr	7	Gold 5		0.000 000 001
sl	8	Red 2	6	pico (p):
Wh	9	Brown 1	0.00	00 000 000 001

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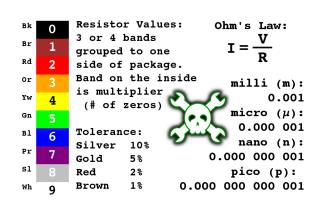
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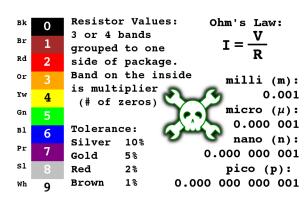
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