Top Side Resistors

Part Numbering

Example shown: Standard Resistor, TaN resistive element, alumina substrate, case size 0.020" × 0.020" × 0.010", PdAu bonding pad, bottom side bare, resistance 1000 Ω ± 5%, 150 ppm TCR, regular trim, 100 mW max power handling.

P RT 1 35 – 20X20X 10 A 10000 J Q E

P = Passive Plus

Resistor Style
R = Standard (<500MHz)
M = Microwave
N = Network
I – Isolated Array
B = Common Bus Array
S = Series Array

Resistive Metalization
T = Tantalum Nitride
N = NiChrome

Number of Resistors

Material Type
See Resistor Selection Charts on page 9

Length and Width
See Resistor Selection Charts on page 8

Thickness
10 mils standard
(5 mils standard for size 12x9)

Power Handling
See Resistor Selection Charts on page 8

TCR
See Resistor Selection Charts on page 9

Resistance Tolerance
See Resistor Selection Charts on page 9

Resistance
Digits 1-4 are significant figures
Digit 5 is the number of zeros to follow
When required, the "R" is used as a decimal point and the exponent is omitted.
e.g. 10001 = 10000Ω, 10000 = 1000Ω, 100R5 = 100.5Ω

Metalization Code
See Resistor Selection Charts on page 9

The standard dimensional tolerance for length and width is ± 2 mils.
The standard dimensional tolerance for thickness is ± 1 mil.