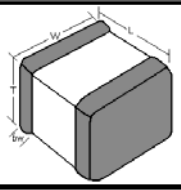
CAPAX Technologies, Inc

Surface Mount Capacitors: 0603 – NPO/ Hi-Q NPO

0603 SMT Capacitors feature:

- 0603 Case Size
- High Voltage
- Low ESR
- NPO and Hi-Q Dielectric Materials

Mechanical Dimensions



Length (L): .060" ± .005"
Width (W): .030" ± .005"
Thickness (T): .033" max
Bandwidth (bw): .010" ± .005"

Capacitance Value

Value (pF)	Cap. Code	Max Voltage	Dielectric	Value (pF)	Cap. Code	Max Voltage	Dielectric
0.1 to 1.2	0R1 to 1R2	250 VDC	NPO, Hi-Q NPO	82	820	250 VDC	NPO, Hi-Q NPO
1.5	1R5		NPO, Hi-Q NPO	91	910		NPO, Hi-Q NPO
1.8	1R8		NPO, Hi-Q NPO	100	101		NPO, Hi-Q NPO
2.2	2R2		NPO, Hi-Q NPO	110	111		NPO
2.4	2R4		NPO, Hi-Q NPO	120	121		NPO
2.7	2R7		NPO, Hi-Q NPO	150	151		NPO
3.3	3R3		NPO, Hi-Q NPO	180	181		NPO
3.9	3R9		NPO, Hi-Q NPO	200	201		NPO
4.7	4R7		NPO, Hi-Q NPO	220	221	200 VDC	NPO
5.6	5R6		NPO, Hi-Q NPO	270	271		NPO
6.8	6R8		NPO, Hi-Q NPO	330	331		NPO
8.2	8R2		NPO, Hi-Q NPO	390	391		NPO
10	100		NPO, Hi-Q NPO	430	431		NPO
12	120		NPO, Hi-Q NPO	470	471		NPO
15	150		NPO, Hi-Q NPO	560	561	100 VDC	NPO
18	180		NPO, Hi-Q NPO	680	681		NPO
22	220		NPO, Hi-Q NPO	820	821		NPO
27	270		NPO, Hi-Q NPO	1000	102		NPO
33	330		NPO, Hi-Q NPO	1200	122		NPO
39	390		NPO, Hi-Q NPO	1500	152	50 VDC	NPO
47	470		NPO, Hi-Q NPO	2200	222		NPO
51	510		NPO, Hi-Q NPO	3300	332		NPO
56	560		NPO, Hi-Q NPO				
68	680		NPO, Hi-Q NPO				
75	750		NPO, Hi-Q NPO				

** For Additional Capacitance Values and Working Voltages, Please Contact the Factory **

Ordering Information

Case Size	Dielectric	Capacitance	Tolerance	Voltage	Termination	Packaging	Hi-Reli Testing
0603	G	330	J	201	SN	T	- A
Mechanical Dimensions Shown Above	**G** = NPO **U** = Hi Q NPO	First 2 digits are Significant; Third digit indicates # of Zeros. Use "R" for decimal point Examples: 201 = 200pF 2R2 = 2.2pF	**P** ±.03pF **A** ±.05pF **B** ±.1pF **C** ±.25pF **F** ±1% **G** ±2% **J** ±5% **K** ±10%	First 2 digits are Significant; Third digit indicates number of Zeros Examples: 201 = 200V 151 = 150V	**S** Solder Plated Over Nickel **SN** Tin over Nickel Plated *(RoHS Compliant)* **G** Gold over Nickel Plated *(RoHS Compliant)*	**T** = Tape and Reel	*(Optional)* **A** = Group A **B** = Group B **C** = Group C Tested and Screened