Ultra Low ESR "U" Series

RF/Microwave C0G (NP0) Chip Capacitors

"U" Series capacitors are C0G (NP0) chip capacitors specially designed for "Ultra" low ESR for applications in the communications market. Max ESR and effective capacitance are met on each value producing lot to lot uniformity. Sizes available are EIA chip sizes 0603, 0805, and 1210.

Check for up-to-date CV Tables at
http://www.avx.com/docs/catalogs/useries.pdf

HOW TO ORDER

0805	1	U	100	J	A	T	2	A
Case Size	**Voltage Code**	**Dielectric = Ultra Low ESR**	**Capacitance**	**Capacitance Tolerance Code**	**Failure Rate Code**	**Termination**	**Packaging Code**	**Special Code**
0402 0603 0805 1210	3 = 25V 5 = 50V 1 = 100V 2 = 200V		EIA Capacitance Code in pF. First two digits = significant figures or "R" for decimal place. Third digit = number of zeros or after "R" significant figures.	B = ±0.1pF C = ±0.25pF D = ±0.5pF F = ±1% G = ±2% J = ±5% K = ±10% M = ±20%	A = Not Applicable	T = Plated Ni and Tin Q = 100% Tin	2 = 7" Reel 4 = 13" Reel 9 = Bulk	A = Standard

	Available	Size			
Cap (pF)	Tolerance	0402	0603	0805	1210
0.2	B,C	50V	N/A	N/A	N/A
0.3	↕	↓	↓	↓	↓
0.4	↓	↓	↓	↓	↓
0.5	B,C	↓	↓	↓	↓
0.6	B,C,D	↓	↓	↓	↓
0.7	↕	↓	↓	↓	↓
0.8	↓	↓	↓	↓	↓
0.9	B,C,D	↓	↓	↓	↓

	Available	Size			
Cap (pF)	Tolerance	0402	0603	0805	1210
1.0	B,C,D	50V	200V	200V	200V
1.1	↕	↓	↓	↓	↓
1.2	↓	↓	↓	↓	↓
1.3	↓	↓	↓	↓	↓
1.4	↓	↓	↓	↓	↓
1.5	↓	↓	↓	↓	↓
1.6	↓	↓	↓	↓	↓
1.7	↓	↓	↓	↓	↓
1.8	↓	↓	↓	↓	↓
1.9	↓	↓	↓	↓	↓
2.0	↓	↓	↓	↓	↓
2.1	↓	↓	↓	↓	↓
2.2	↓	↓	↓	↓	↓
2.4	↓	↓	↓	↓	↓
2.7	↓	↓	↓	↓	↓
3.0	↓	↓	↓	↓	↓
3.3	↓	↓	↓	↓	↓
3.6	↓	↓	↓	↓	↓
3.9	↓	↓	↓	↓	↓
4.3	↓	↓	↓	↓	↓
4.7	↓	↓	↓	↓	↓
5.1	↓	↓	↓	↓	↓
5.6	↓	↓	↓	↓	↓
6.2	B,C,D	↓	↓	↓	↓
6.8	B,C,J,K,M	↓	↓	↓	↓

	Available	Size			
Cap (pF)	Tolerance	0402	0603	0805	1210
7.5	B,C,J,K,M	50V	200V	200V	200V
8.2	↕	↓	↓	↓	↓
9.1	B,C,J,K,M	↓	↓	↓	↓
10	F,G,J,K,M	↓	↓	↓	↓
11	↕	↓	↓	↓	↓
12	↓	↓	↓	↓	↓
13	↓	↓	↓	↓	↓
15	↓	↓	↓	↓	↓
18	↓	↓	↓	↓	↓
20	↓	↓	100V	↓	↓
22	↓	↓	↓	↓	↓
24	↓	↓	↓	↓	↓
27	↓	↓	↓	↓	↓
30	↓	50V	↓	↓	↓
33	↓	N/A	↓	↓	↓
36	↓	↓	↓	↓	↓
39	↓	↓	↓	↓	↓
43	↓	↓	↓	↓	↓
47	↓	↓	↓	↓	↓
51	↓	↓	↓	↓	↓
56	↓	↓	↓	↓	↓
68	↓	↓	↓	↓	↓
75	↓	↓	↓	↓	↓
82	↓	↓	↓	↓	↓
91	F,G,J,K,M	↓	↓	↓	↓

	Available	Size			
Cap (pF)	Tolerance	0402	0603	0805	1210
100	F,G,J,K,M	N/A	100V	200V	200V
110	↕	↓	50V	↓	↓
120	↓	↓	↓	↓	↓
130	↓	↓	↓	200V	↓
140	↓	↓	↓	100V	↓
150	↓	↓	50V	↓	↓
160	↓	↓	N/A	100V	↓
180	↓	↓	↓	N/A	↓
200	↓	↓	↓	↓	↓
220	↓	↓	↓	↓	↓
270	↓	↓	↓	↓	↓
300	↓	↓	↓	↓	↓
330	↓	↓	↓	↓	↓
360	↓	↓	↓	↓	↓
390	↓	↓	↓	↓	↓
430	↓	↓	↓	↓	↓
470	↓	↓	↓	↓	100V
510	↓	↓	↓	↓	↓
560	↓	↓	↓	↓	↓
620	↓	↓	↓	↓	↓
680	↓	↓	↓	↓	↓
750	↓	↓	↓	↓	↓
820	↓	↓	↓	↓	↓
910	↓	↓	↓	↓	↓
1000	F,G,J,K,M	↓	↓	↓	↓