

Ultra Low ESR "U" Series

RF/Microwave COG (NP0) Chip Capacitors



"U" Series capacitors are COG (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 0402 0603 0805 1210	Voltage Code 3 = 25V 5 = 50V 1 = 100V 2 = 200V	Dielectric = Ultra Low ESR	Capacitance 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.	Capacitance Tolerance Code B = ±0.1pF C = ±0.25pF D = ±0.5pF F = ±1% G = ±2% J = ±5% K = ±10% M = ±20%	Failure Rate Code A = Not Applicable	Termination T = Plated Ni and Tin Q = 100% Tin	Packaging Code 2 = 7" Reel 4 = 13" Reel 9 = Bulk	Special Code A = Standard

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

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

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

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

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