

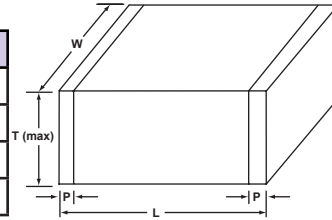


MULTILAYER CERAMIC CHIP CAPACITORS

0402

RoHs Compliant

SIZE	6.3V ~50V	
(L) Length mm	1.0 ± 0.05	
(W) Width mm	0.5 ± 0.05	
(T) Thickness mm	0.6 max	
(P) Termination mm	0.2 ± 0.1 (X5R = 0.10 ~ 0.40)	



VOLTAGE		4.0					6.3					10					16					
Capacitance	CODE	COG	X5R	X7R	Z5U	Y5V	COG	X5R	X7R	Z5U	Y5V	COG	X5R	X7R	Z5U	Y5V	COG	X5R	X7R	Z5U	Y5V	
CAP	4.7	4R7																				
(pF)	6.8	6R8																				
	8.2	8R2																				
	10	100																				
	15	150																				
	18	180																				
	20	200																				
	22	220																				
	27	270																				
	33	330																				
	39	390																				
	47	470																				
	56	560																				
	68	680																				
	82	820																				
	100	101																				
	120	121																				
	150	151																				
	180	181																				
	220	221																				
	270	271																				
	330	331																				
	390	391																				
	470	471																				
	560	561																				
	680	681																				
	820	821																				
	1000	102																				
	1200	122																				
	1500	152																				
	1800	182																				
	2200	222																				
	2700	272																				
	3300	332																				
	3900	392																				
	4700	472																				
	5600	562																				
	6800	682																				
	8200	822																				
(μF)	0.010	103																				
	0.015	153																				
	0.018	183																				
	0.022	223																				
	0.027	273																				
	0.033	333																				
	0.039	393																				
	0.047	473																				
	0.056	563																				
	0.068	683																				
	0.082	823																				
	0.10	104																				
	0.12	124																				
	0.15	154																				
	0.18	184																				
	0.22	224																				
	0.27	274																				
	0.33	334																				
	0.39	394																				
	0.47	474																				
	0.56	564																				
	0.68	684																				
	0.82	824																				
	1.0	105																				
	1.2	125																				
	1.5	155																				
	1.8	185																				
	2.2	225																				
	3.3	335																				
	4.7	475																				

VOLTAGE		25					50				
Capacitance	CODE	COG	X5R	X7R	Z5U	Y5V	COG	X5R	X7R	Z5U	Y5V
(pF)											
0.47	R47										
0.50	R50										
0.56	R56										
0.60	R60										
0.68	R68										
0.70	R70										
0.75	R75										
0.80	R80										
0.82	R82										
0.90	R90										
1.0	1R0										
1.5	1R5										
2.2	2R2										
3.3	3R3										
4.7	4R7										
5.0	5R0										
5.6	5R6										
6.0	6R0										
6.2	6R2										
6.8	6R8										
7.0	7R0										
7.5	7R5										
8.0	8R0										
8.2	8R2										
9.0	9R0										
10	100										
12	120										
13	130										
15	150										
16	160										
18	180										
20	200										
22	220										
24	240										
27	270										
30	300										
33	330										
36	360										
39	390										
43	430										
47	470										
56	560										
68	680										
82	820										
100	101										
120	121										
130	131										
150	151										
160	161										
180	181										
200	201										
220	221										
270	271										
330	331										
390	391										
470	471										
560	561										
680	681										
820	821										
1000	102										
1200	122										
1500	152										
1800	182										
2200	222										
2700	272										
3300	332										
3900	392										
4700	472										
5600	562										
6800	682										
8200	822										
(µF)											
0.010	103										
0.015	153										
0.018	183										
0.022	223										

For voltages over 50V
 please see
 the MA high voltage series



VOLTAGE		25					35	50				
Capacitance	CODE	COG	X5R	X7R	Z5U	Y5V	X5R	COG	X5R	X7R	Z5U	Y5V
CAP 0.027	273											
(pF) 0.033	333											
0.039	393											
0.047	473											
0.056	563											
0.068	683											
0.082	823											
0.10	104											
0.12	124											
0.15	154											
0.18	184											
0.22	224											
0.27	274											
0.33	334											
0.39	394											
0.47	474											
0.56	564											
0.68	684											
0.82	824											
1.0	105											

For voltages over 50V
please see
the MA high voltage series