

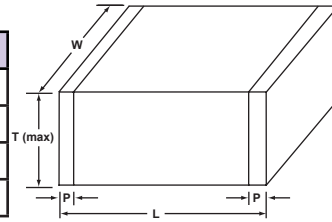


MULTILAYER CERAMIC CHIP CAPACITORS

0603

RoHs Compliant

SIZE		4.0V ~50V	2.2μF ~ 22μF
(L) Length	mm	1.6 ± 0.15	1.6 ± 0.20
(W) Width	mm	0.8 ± 0.15	0.8 ± 0.20
(T) Thickness	mm	1.0max (X5R = 0.9 max)	0.8 ± 0.20
(P) Termination	mm	0.12 ~ 0.51 (X5R = 0.10 ~ 0.60)	0.20 ~ 0.60



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	8.2	8R2																				
(pF)	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																				
	4.7	475																				
	5.6	565																				
	6.8	685																				
	10.0	106																				
	22.0	226																				

For additional capacitance values and working voltages, please contact us.

VOLTAGE			25					50				
Capacitance	CODE	COG	X5R	X7R	Z5U	Y5V	COG	X5R	X7R	Z5U	Y5V	
(pF)	0.47	R47										
	0.50	R50										
	0.68	R68										
	0.80	R80										
	0.82	R82										
	1.0	1R0										
	1.2	1R2										
	1.5	1R5										
	1.8	1R8										
	2.0	2R0										
	2.2	2R2										
	2.7	2R7										
	3.0	3R0										
	3.3	3R3										
	3.9	3R9										
	4.0	4R0										
	4.3	4R3										
	4.7	4R7										
	5.0	5R0										
	5.1	5R1										
	5.6	5R6										
	6.0	6R0										
	6.2	6R2										
	6.8	6R8										
	7.0	7R0										
	8.0	8R0										
	8.2	8R2										
	9.0	9R0										
	9.1	9R1										
	10	100										
	15	150										
	18	180										
	20	200										
	22	220										
	27	270										
	33	330										
	36	360										
	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										

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



VOLTAGE			25					50				
Capacitance	CODE	COG	X5R	X7R	Z5U	Y5V	COG	X5R	X7R	Z5U	Y5V	
CAP 0.10	104											
(µF) 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											
2.2	225											
4.7	475											
10.0	106											

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