

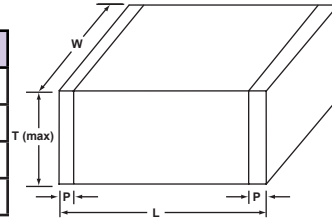


### MULTILAYER CERAMIC CHIP CAPACITORS

# 2220

RoHs Compliant

SIZE	6.3V ~50V	
(L) Length mm	5.7 ± 0.4	
(W) Width mm	5.0 ± 0.4	
(T) Thickness mm	COG, X7R, Z5U, Y5V = X5R = 2.8 max	
(P) Termination mm	COG, X7R, Z5U, Y5V = X5R = 0.25 ~1.03	



VOLTAGE		6.3					10					16				
Capacitance	CODE	COG	X5R	X7R	Z5U	Y5V	COG	X5R	X7R	Z5U	Y5V	COG	X5R	X7R	Z5U	Y5V
CAP	100	101														
(pF)	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														
	5.6	565														
	6.8	685														
	10	106														
	18	186														
	22	226														
	27	276														
	33	336														
	39	396														
	47	476														

VOLTAGE			25					50				
Capacitance	CODE	COG	X5R	X7R	Z5U	Y5V	COG	X5R	X7R	Z5U	Y5V	
(pF)	0.5	0R5										
	1.0	1R0										
	1.5	1R5										
	2.2	2R2										
	3.3	3R3										
	4.7	4R7										
	6.8	6R8										
	8.2	8R2										
	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										
	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											

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	2.0	205									
(µF)	2.2	225									
	2.7	275									
	3.3	335									
	3.9	395									
	4.7	475									
	5.6	565									
	6.8	685									
	8.2	825									
	10	106									
	12	126									
	15	156									
	18	186									
	20	206									
	22	226									
	27	276									
	33	336									
	39	396									
	47	476									
	56	566									
	62	626									
	82	826									
	100	107									

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