

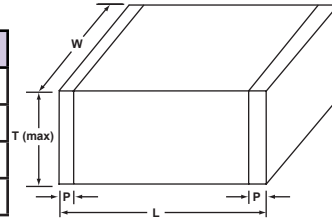


MULTILAYER CERAMIC CHIP CAPACITORS

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	
CAP	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										
	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