

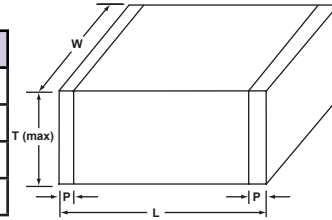


MULTILAYER CERAMIC CHIP CAPACITORS

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									
	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