MULTILAYER CERAMIC CHIP CAPACITOR(MLCC)

Y5V Capacitance Range

SIZE		Y5V																																										
		0201				0402					0603						0805						1206						1210						1808					1812				
Cap	EIA / Vr	6.3	10	16	25	6.3	10	16	25	50	6.3	10	16	25	50	100	6.3	10	16	25	50	100	6.3	10	16	25	50	100	6.3	10	16	25	50	100	10	16	25	50	100	10	16	25	50	100
(nF)10	103		S	S	S			S	S	S				P	P	P				S	S	S			S	S	S	S																
12	123		S	S				S	S					P	P	P				S	S	S			S	S	S	S																
15	153		S	S				S	S					P	P	P				S	S	S			S	S	S	S																
18	183		S	S				S	S					P	P	P				S	S	S			S	S	S	S																
22	223		S	S				S	S					P	P	P				S	S	S			S	S	S	S																
27	273		S					S	S					P	P	P				S	S	S			S	S	S	S																
33	333	S	S					S	S					P	P	P				S	S	S			S	S	S	S																
39	393							S	S					P	P	P				S	S	S			S	S	S	S																
47	473	S	S				S	S	S					P	P	P				S	S	S			S	S	S	S																
56	563							S						P	P	P				S	S	S			S	S	M	M																
68	683							S						P	P	P				S	S	S			S	S	M	M																
82	823							S						P	P	P				S	S	S			S	S	M	M																
(μF)0.1	104	S	S				S	S						P	P	P				S	S	S			S/H	S/H	M	M						F					F					
0.15	154						S							P	P	P				S	S	S			S	S	H	H						F					F					
0.22	224	S				S	S	S						P	P	P				S	S	S			S	S	H	H						F					F					X
0.33	334					S	S					P	P	P	P				M	M	M	M			M	M	H	H						F					F					X
0.47	474					S	S					P	P	P	P				H	H	H	H			H	H	X	X						F					Z					F
0.68	684											P	P						H	H	X	X			H	H	X	X						F					Z					F
1.0	105					S	S					P	P	P					H/X	H/X	X	X			H	H	X	X					F	F				F	Z					F
2.2	225					S						P	P					H	X	X	X			X	X	X	X	X					F	F				F	E				F	F
3.3	335											P						H	X					X	X/L	L	L						F	F				F	E				F	E
4.7	475											P					X	X	X	X			X/L	X/L	X/L	L	L					F	F	F			F	Z	E				F	E
10	106										P	P					X	X	X				X/L	X/L	X/L	L					F	F	Z			F	Z	Z				F	Z	E
22	226										P						X	X					X/L	L	L					F	Z		E		F	Z		Z		F	F	F	E	E
47	476																X						L	L					Z	Z	E	Z			Z	E	E	Z		Z	Z	Z	E	
100	107																X						L	L					E	E		E			E		E			E	E	E		

Z5U Capacitance range

SIZE		Z5U					
		0805	1206	1210	1808	1812	
Cap	EIA / Vr	100V	100V	100V	100V	100V	250V
(nF)10	103						
15	153						
22	223						
33	333						
47	473	H	H				
68	683	H	H				
100	104	H	H				F
150	154		H				F
220	224		H	X	F		F
330	334			X	F		Z
470	474			X	F	F	Z
680	684			X	F	F	Z
1000	105				F	Z	
1500	155					Z	
2200	225						

X1Y2, X2Y3 Capacitance range

SIZE		NPO			
		1808	1812	2211	2220
Cap	EIA / Vr	X2 Y3	X2 Y3	X1 Y2	X1 Y2
(pF)5.0	5R0	F	F	F	F
≀	≀	F	F	F	F
10	100	F	F	F	F
12	120	F	F	F	F
15	150	F	F	F	F
18	180	F	F	F	F
22	220	F	F	F	F
27	270	F	F	F	F
33	330	F	F	F	F
39	390	F	F	F	F
47	470	F	F	F	F
56	560	F	F	F	F
68	680	F	F	F	F
82	820	F	F	F	F
100	101	F	F	F	F
120	121	Z	Z		
150	151	Z	Z		
180	181	Z	Z		
220	221	Z	Z		
270	271		Z		
330	331		Z		
390	391		Z		
470	471		Z		

SIZE		X7R			
		1808	1812	2211	2220
Cap	EIA / Vr	X2 Y3	X2 Y3	X1 Y2	X1 Y2
(pF)100	101	F	F	F	F
120	121	F	F	F	F
150	151	F	F	F	F
180	181	F	F	F	F
220	221	F	F	F	F
270	271	F	F	F	F
330	331	F	F	F	F
390	391	F	F	F	F
470	471	F	F	Z	F
560	561	F	F	Z	F
680	681	F	F	Z	F
820	821	F	F	Z	F
1000	102	F	F	Z	Z
1200	122	Z	F		Z
1500	152	Z	F		Z
1800	182	Z	F		Z
2200	222	Z	Z		Z
2700	272		Z		
3300	332		Z		
3900	392		Z		
4700	472		Z		