

X7R CAPACITANCE RANGE – 1210, 1812, 1825, 2220, 2225

CAP. PF	CAP CODE	CAP. TOL.	C1210*								C1812*			C1825*			C2220			C2225		
			6.3V	10V	16V	25V	50V	100V	200V	50V	100V	200V	50V	100V	200V	50V	100V	200V	50V	100V	200V	
2200	222	K,M,J	FB	FB	FB	FB	FB	FB	FB													
2700	272	K,M,J	FB	FB	FB	FB	FB	FB	FB													
3300	332	K,M,J	FB	FB	FB	FB	FB	FB	FB													
3900	392	K,M,J	FB	FB	FB	FB	FB	FB	FB													
4700	472	K,M,J	FB	FB	FB	FB	FB	FB	FB													
5600	562	K,M,J	FB	FB	FB	FB	FB	FB	FB													
6800	682	K,M,J	FB	FB	FB	FB	FB	FB	FB	GB	GB	GB										
8200	822	K,M,J	FB	FB	FB	FB	FB	FB	FB	GB	GB	GB										
10,000	103	K,M,J	FB	FB	FB	FB	FB	FB	FB	GB	GB	GB										
12,000	123	K,M,J	FB	FB	FB	FB	FB	FB	FB	GB	GB	GB										
15,000	153	K,M,J	FB	FB	FB	FB	FB	FB	FB	GB	GB	GB										
18,000	183	K,M,J	FB	FB	FB	FB	FB	FB	FB	GB	GB	GB										
22,000	223	K,M,J	FB	FB	FB	FB	FB	FB	FB	GB	GB	GB	HB	HB	HB							
27,000	273	K,M,J	FB	FB	FB	FB	FB	FB	FB	GB	GB	GB	HB	HB	HB							
33,000	333	K,M,J	FB	FB	FB	FB	FB	FB	FB	GB	GB	GB	HB	HB	HB							
39,000	393	K,M,J	FB	FB	FB	FB	FB	FB	FB	GB	GB	GB	HB	HB	HB							
47,000	473	K,M,J	FB	FB	FB	FB	FB	FB	FC	GB	GB	GB	HB	HB	HB				KC	KC		
56,000	563	K,M,J	FB	FB	FB	FB	FB	FB	FC	GB	GB	GB	HB	HB	HB				KC	KC		
68,000	683	K,M,J	FB	FB	FB	FB	FB	FB	FC	GB	GB	GB	HB	HB	HB				KC	KC		
82,000	823	K,M,J	FB	FB	FB	FB	FC	FC	FF	GB	GB	GB	HB	HB	HB				KC	KC		
100,000	104	K,M,J	FB	FB	FB	FB	FD	FD	FG	GB	GB	GB	HB	HB	HB				KC	KC		
120,000	124	K,M,J	FB	FB	FB	FB	FD	FD		GB	GB	GB	HB	HB	HB				KC	KC		
150,000	154	K,M,J	FC	FC	FC	FC	FD	FD		GB	GB	GE	HB	HB	HB				KC	KC		
180,000	184	K,M,J	FC	FC	FC	FC	FD	FD		GB	GB	GG	HB	HB	HB				KC	KC		
220,000	224	K,M,J	FC	FC	FC	FC	FD	FD		GB	GB		HB	HB	HB				KC	KC		
270,000	274	K,M,J	FC	FC	FC	FC#	FD#	FD#		GB	GH		HB	HB	HB	JC	JC	JC	KB	KC		
330,000	334	K,M,J	FD	FD	FD	FD	FD#	FD#		GB	GH		HB	HB	HB	JC	JC	JC	KB	KC		
390,000	394	K,M,J	FD	FD	FD	FD	FD#	FD#		GB			HB	HB	HD	JC	JC	JC	KB	KC		
470,000	474	K,M,J	FD	FD	FD	FD	FD#	FD#		GB			HB	HB		JC	JC	JC	KB	KC		
560,000	564	K,M,J	FD	FD	FD	FD	FD#	FD#		GC			HB	HD		JC	JC	JC	KB	KC		
680,000	684	K,M,J	FD	FD	FD	FD	FD#	FD#		GC			HB	HD		JC	JD		KB	KC		
820,000	824	K,M,J	FF	FF	FF	FF	FF#	FF#		GE			HB			JC	JF		KB	KC		
1,000,000	105	K,M,J	FH	FH	FH	FH	FH#	FH#		GE			HB			JC			KB	KD		
1,200,000	125	K,M,J	FH	FH	FH	FH							HB			JC			KB			
1,500,000	155	K,M,J	FH	FH	FH	FH							HB			JC			KC			
1,800,000	185	K,M,J	FH	FH	FH	FH							HD			JD			KD			
2,200,000	225	K,M,J	FJ	FJ	FJ	FJ							HF			JF			KD			

* Indicates EIA preferred chip sizes.

NOTE: For non-standard capacitance values or voltages, contact your local KEMET sales representative.

50 Volt Ceramic Chips can be used for 63 volt applications.

Extended Range Values — Cap and DF measured @ 0.5 Vrms.

X5R CAPACITANCE RANGE

CAP. pF	CAP CODE	CAP. TOL.	C0402*		C0603*		C0805*		C1206*				C1210*				
			6.3V	10V	6.3V	10V	6.3V	10V	6.3V	10V	16V	25V	6.3V	10V	16V	25V	50V
12,000	123	K,M	BB	BB													
15,000	153	K,M	BB	BB													
18,000	183	K,M	BB	BB													
22,000	223	K,M	BB	BB													
27,000	273	K,M	BB	BB													
33,000	333	K,M	BB	BB													
39,000	393	K,M	BB	BB													
47,000	473	K,M	BB	BB													
56,000	563	K,M	BB	BB													
68,000	683	K,M	BB	BB													
82,000	823	K,M	BB	BB													
100,000	104	K,M	BB	BB								EB					
120,000	124	K,M										EC					
150,000	154	K,M										EC					
180,000	184	K,M										EC					
220,000	224	K,M										EC					
270,000	274	K,M										EB					
330,000	334	K,M			CC	CC						EB					
390,000	394	K,M			CC	CC						EB					
470,000	474	K,M			CC	CC						EC					
560,000	564	K,M			CC	CC						EE					
680,000	684	K,M			CC	CC						EF					
820,000	824	K,M			CC	CC						EF					
1,000,000	105	K,M			CC	CC			DD	DD		EH			FH+	FH+	FH+
1,200,000	125	K,M			CC	CC			DE	DE	EC	EC			FD+	FD+	
1,500,000	155	K,M			CC	CC			DE	DE	EC	EC			FD+	FD+	
1,800,000	185	K,M			CC	CC			DH	DH	EC	EC			FD+	FD+	
2,200,000	225	K,M			CC	CC			DH	DH	EE	EE			FG+	FG+	
2,700,000	275	K,M							DD	DD	EF	EF			FG+	FG+	
3,300,000	335	K,M							DE	DE	EH	EH			FH+	FH+	
4,700,000	475	K,M							DH	DH	EH	EH			FK+	FK+	
6,800,000	685	K,M							DH	DH	EH	EH			FJ+	FJ+	
8,200,000	825	K,M							DH	DH	EH	EH			FJ+	FJ+	
10,000,000	106	K,M							DH	DH	EH	EH			FK+	FK+	
12,000,000	126	K,M									EH				FF+	FJ+	
15,000,000	156	K,M									EH				FF+	FJ+	
18,000,000	186	K,M									EH				FG+	FK+	
22,000,000	226	K,M									EH				FG+	FK+	

NOTE: For non-standard capacitance values or voltages, contact your local KEMET sales representative.

+ Reflow only

See page 54 for Thickness Code Reference Chart.

THICKNESS CODE REFERENCE CHART

PACKAGING QTY BASED ON FINISHED CHIP THICKNESS SPECIFICATIONS

Thickness Code	Chip Size	Chip Thickness Range (mm)	Qty per Reel 7" Plastic	Qty per Reel 13" Plastic	Qty per Reel 7" Paper	Qty per Reel 13" Paper	Qty per Bulk Cassette
AA	0201	.30 ± .03	N/A	N/A	15,000	N/A	N/A
BB	0402	.50 ± .05	N/A	N/A	10,000	50,000	50,000
CB	0603	.80 ± .07	N/A	N/A	4,000	10,000	15,000
CC	0603	.80 ± .10	N/A	N/A	4,000	10,000	N/A
DB	0805	.60 ± .10	N/A	N/A	N/A	N/A	10,000
DC	0805	.78 ± .10	4,000	10,000	4,000	10,000	N/A
DD	0805	.90 ± .10	4,000	10,000	N/A	N/A	N/A
DE	0805	1.00 ± .10	2,500	10,000	N/A	N/A	N/A
DF	0805	1.10 ± .10	2,500	10,000	N/A	N/A	N/A
DG	0805	1.25 ± .15	2,500	10,000	N/A	N/A	N/A
DH	0805	1.25 ± .20	2,500	10,000	N/A	N/A	N/A
EB	1206	.78 ± .10	4,000	10,000	4,000	10,000	N/A
EC	1206	.90 ± .10	4,000	10,000	N/A	N/A	N/A
ED	1206	1.00 ± .10	2,500	10,000	N/A	N/A	N/A
EE	1206	1.10 ± .10	2,500	10,000	N/A	N/A	N/A
EF	1206	1.20 ± .15	2,500	10,000	N/A	N/A	N/A
EG	1206	1.60 ± .15	2,000	8,000	N/A	N/A	N/A
EH	1206	1.60 ± .20	2,000	8,000	N/A	N/A	N/A
EJ	1206	1.70 ± .20	2,000	8,000	N/A	N/A	N/A
FB	1210	.78 ± .10	4,000	10,000	N/A	N/A	N/A
FC	1210	.90 ± .10	4,000	10,000	N/A	N/A	N/A
FD	1210	.95 ± .10	4,000	10,000	N/A	N/A	N/A
FE	1210	1.00 ± .10	2,500	10,000	N/A	N/A	N/A
FF	1210	1.10 ± .10	2,500	10,000	N/A	N/A	N/A
FG	1210	1.25 ± .15	2,500	10,000	N/A	N/A	N/A
FH	1210	1.55 ± .15	2,000	8,000	N/A	N/A	N/A
FJ	1210	1.85 ± .15	2,000	8,000	N/A	N/A	N/A
FK	1210	2.10 ± .20	2,000	8,000	N/A	N/A	N/A
GB	1812	1.00 ± .10	1,000	4,000	N/A	N/A	N/A
GC	1812	1.10 ± .10	1,000	4,000	N/A	N/A	N/A
GD	1812	1.25 ± .15	1,000	4,000	N/A	N/A	N/A
GE	1812	1.30 ± .10	1,000	4,000	N/A	N/A	N/A
GF	1812	1.50 ± .10	1,000	4,000	N/A	N/A	N/A
GG	1812	1.55 ± .10	1,000	4,000	N/A	N/A	N/A
GH	1812	1.40 ± .15	1,000	4,000	N/A	N/A	N/A
GJ	1812	1.70 ± .15	1,000	4,000	N/A	N/A	N/A
HB	1825	1.10 ± .15	1,000	4,000	N/A	N/A	N/A
HD	1825	1.30 ± .15	1,000	4,000	N/A	N/A	N/A
HE	1825	1.40 ± .15	1,000	4,000	N/A	N/A	N/A
HF	1825	1.50 ± .15	1,000	4,000	N/A	N/A	N/A
JB	2220	1.00 ± .15	1,000	4,000	N/A	N/A	N/A
JC	2220	1.10 ± .15	1,000	4,000	N/A	N/A	N/A
JD	2220	1.30 ± .15	1,000	4,000	N/A	N/A	N/A
JE	2220	1.40 ± .15	1,000	4,000	N/A	N/A	N/A
JF	2220	1.50 ± .15	1,000	4,000	N/A	N/A	N/A
KB	2225	1.00 ± .15	1,000	4,000	N/A	N/A	N/A
KC	2225	1.10 ± .15	1,000	4,000	N/A	N/A	N/A
KD	2225	1.30 ± .15	1,000	4,000	N/A	N/A	N/A
KE	2225	1.40 ± .15	1,000	4,000	N/A	N/A	N/A

This chart refers to ceramic chip thickness codes on pages 50-53.

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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