

Multi-Layer Ceramic Chip General Purpose Capacitors

■ CAPACITANCE RANGE

NP0 Dielectric

Dielectric		NP0																		
Size		0402				0603			0805				1206			1210			1812	
Rated Voltage (VDC)		16	25	50	100	16	50	100	16	25	50	100	16	50	100	16	50	100	50	100
Capacitance	0.5pF (0R5)			N	N		S	S			A	A								
	0.6pF (0R6)			N	N		S	S			A	A								
	0.7pF (0R7)			N	N		S	S			A	A								
	0.8pF (0R8)			N	N		S	S			A	A								
	0.9pF (0R9)			N	N		S	S			A	A								
	1.0pF (1R0)			N	N		S	S			A	A								
	1.2pF (1R2)			N	N		S	S			A	A								
	1.5pF (1R5)			N	N		S	S			A	A		B	B					
	1.8pF (1R8)			N	N		S	S			A	A		B	B					
	2.2pF (2R2)			N	N		S	S			A	A		B	B					
	2.7pF (2R7)			N	N		S	S			A	A		B	B					
	3.3pF (3R3)			N	N		S	S			A	A		B	B					
	3.9pF (3R9)			N	N		S	S			A	A		B	B					
	4.7pF (4R7)			N	N		S	S			A	A		B	B					
	5.6pF (5R6)			N	N		S	S			A	A		B	B					
	6.8pF (6R8)			N	N		S	S			A	A		B	B					
	8.2pF (8R2)			N	N		S	S			A	A		B	B					
	10pF (100)			N	N		S	S			A	A		B	B				C	D
	12pF (120)			N	N		S	S			A	A		B	B				C	D
	15pF (150)			N	N		S	S			A	A		B	B				C	D
	18pF (180)			N	N		S	S			A	A		B	B				C	D
	22pF (220)			N	N		S	S			A	A		B	B			C	C	D
	27pF (270)			N	N		S	S			A	A		B	B			C	C	D
	33pF (330)			N	N		S	S			A	A		B	B			C	C	D
	39pF (390)			N	N		S	S			A	A		B	B			C	C	D
	47pF (470)			N	N		S	S			A	A		B	B			C	C	D
	56pF (560)			N			S	S			A	A		B	B			C	C	D
	68pF (680)			N			S	S			A	A		B	B			C	C	D
	82pF (820)			N			S	S			A	A		B	B			C	C	D
	100pF (101)			N			S	S			A	A		B	B			C	C	D
	120pF (121)			N			S	S			A	A		B	B			C	C	D
	150pF (151)			N			S	S			A	A		B	B			C	C	D
	180pF (181)			N	N		S	S			A	A		B	B			C	C	D
	220pF (221)		N	N	N		S	S			A	A		B	B			C	C	D
	270pF (271)	N					S	S			A	A		B	B			C	C	D
	330pF (331)	N					S	S			A	A		B	B			C	C	D
	390pF (391)	N					S	S			B	B		B	B			C	C	D
	470pF (471)	N					S	S			B	B		B	B			C	C	D
	560pF (561)						S	S			B	B		B	B			C	C	D
	680pF (681)						S				B	B		B	B			C	C	D
820pF (821)						S				B	B		B	B			C	C	D	
1,000pF (102)						S				B	B		B	B			C	C	D	
1,200pF (122)						S				B	B		B	B			C	C	D	
1,500pF (152)						S				B	B		B	B			C	C	D	
1,800pF (182)						S				B	B		B	B			C	C	D	
2,200pF (222)						S				B	B		B	B			C	C	D	
2,700pF (272)						S				D	D		B	B			C	C	D	
3,300pF (332)						S				D	D		B	B			C	C	D	
3,900pF (392)										D	D		B	B			C	C	D	
4,700pF (472)										D	D		B	B			C	C	D	
5,600pF (562)										D			B	B			C	C	D	
6,800pF (682)										D			C	C			C	C	D	
8,200pF (822)										D			C	C			C	C	D	
0.010µF (103)										D			D				C	C	D	
0.012µF (123)										D			D	P			C	D	D	
0.015µF (153)										D			D	P			C	D	D	
0.018µF (183)										D			D						D	
0.022µF (223)										D			D						D	
0.027µF (273)										D			D						D	
0.033µF (333)										D			D						D	
0.039µF (393)										D			G						D	

1. The letter in cell is expressed the symbol of product thickness.
 2. For more information about products with special capacitance or other data, please contact POEI local representative.

Multi-Layer Ceramic Chip Capacitors

X7R Dielectric

Dielectric		X7R																									
Size		0402				0603					0805					1206				1210			1812				
Rated Voltage (VDC)		10	16	25	50	10	16	25	50	100	10	16	25	50	100	16	25	50	100	25	50	100	25	50	100		
Capacitance	100pF (101)				N				S	S				B	B												
	120pF (121)				N				S	S				B	B												
	150pF (151)				N				S	S				B	B			B	B								
	180pF (181)				N				S	S				B	B			B	B								
	220pF (221)				N				S	S				B	B			B	B								
	270pF (271)				N				S	S				B	B			B	B								
	330pF (331)				N				S	S				B	B			B	B								
	390pF (391)				N				S	S				B	B			B	B								
	470pF (471)				N				S	S				B	B			B	B								
	560pF (561)				N				S	S				B	B			B	B								
	680pF (681)				N				S	S				B	B			B	B								
	820pF (821)				N				S	S				B	B			B	B								
	1,000pF (102)				N				S	S				B	B			B	B			C	C			D	D
	1,200pF (122)				N				S	S				B	B			B	B			C	C			D	D
	1,500pF (152)				N				S	S				B	B			B	B			C	C			D	D
	1,800pF (182)				N				S	S				B	B			B	B			C	C			D	D
	2,200pF (222)				N				S	S				B	B			B	B			C	C			D	D
	2,700pF (272)				N				S	S				B	B			B	B			C	C			D	D
	3,300pF (332)				N				S	S				B	B			B	B			C	C			D	D
	3,900pF (392)				N				S	S				B	B			B	B			C	C			D	D
	4,700pF (472)				N				S	S				B	B			B	B			C	C			D	D
	5,600pF (562)			N					S	S				B	B			B	B			C	C			D	D
	6,800pF (682)			N					S	S				B	B			B	B			C	C			D	D
	8,200pF (822)			N					S	S				B	B			B	B			C	C			D	D
	0.010µF (103)			N					S	S				B	B			B	B			C	C			D	D
	0.012µF (123)		N	N					S					B	B			B	B			C	C			D	D
	0.015µF (153)		N	N					S					B	B			B	B			C	C			D	D
	0.018µF (183)		N	N					S					B	B			B	B			C	C			D	D
	0.022µF (223)		N	N					S					B	B			B	B			C	C			D	D
	0.027µF (273)	N							S					B	D			B	B			C	C			D	D
	0.033µF (333)	N							S	X				B	D			B	B			C	C			D	D
	0.039µF (393)	N							S	X				B	D			B	B			C	C			D	D
	0.047µF (473)	N							S	X				B	D			B	B			C	C			D	D
	0.056µF (563)	N							S	X				B				B	B			C	C			D	D
	0.068µF (683)	N							S	X				B				B	B			C	C			D	D
	0.082µF (823)	N					S	S	X					B	B			B	D			C	C			D	D
	0.10µF (104)	N					S	S	X					B	B			B	D			C	C			D	D
	0.12µF (124)					S	S							B	D			B	D			C	C			D	D
	0.15µF (154)					S	S							D	D			C	G			C	D			D	D
	0.18µF (184)					S	S							D				C	G			C	D			D	D
0.22µF (224)					S	S							D				C	G			C	D			D	D	
0.27µF (274)					X								D				C	D			C	G			D	D	
0.33µF (334)					X								D				C	D			C	D	G		D	D	
0.39µF (394)					X							D	D			C	J	P			C	D	M		D	D	
0.47µF (474)					X							D	D			J	J	P			C	D	M		D	K	
0.56µF (564)												D	D			J	J	P			D	D	M		D	K	
0.68µF (684)											D	D	D			J	J	P			D	D			D	K	K
0.82µF (824)											D	D	D			J	J	P			D	D			D	K	K
1.0µF (105)											D	D	D			J	J	P			D	D			D	K	K

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■ CAPACITANCE RANGE

Y5V Dielectric (0402,0603,0805,Sizes)

Dielectric		Y5V											
Size		0402				0603				0805			
Rated Voltage (VDC)		10	16	25	50	10	16	25	50	16	25	50	100
Capacitance	0.010µF (103)				N				S			A	B
	0.015µF (153)				N				S			A	B
	0.022µF (223)				N				S			A	B
	0.033µF (333)				N				S			A	B
	0.047µF (473)			N					S			A	B
	0.068µF (683)		N	N					S			A	B
	0.10µF (104)		N	N					S			A	B
	0.15µF (154)	N							S			A	B
	0.22µF (224)	N						S				A	
	0.33µF (334)							S				B	
	0.47µF (474)						S				B	B	
	0.68µF (684)						S	X			B	D	
1.0µF (105)						S	X			B	D		

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Y5V Dielectric (1206,1210,1812 Sizes)

Dielectric		Y5V						
Size		1206			1210		1812	
Rated Voltage (VDC)		25	50	100	50	100	50	100
Capacitance	0.010µF (103)	B	B	B		C		D
	0.015µF (153)	B	B	B		C		D
	0.022µF (223)	B	B	B		C		D
	0.033µF (333)	B	B	B		C		D
	0.047µF (473)	B	B	B		C		D
	0.068µF (683)	B	B	B		C		D
	0.10µF (104)	B	B	B	C	C	D	D
	0.15µF (154)	B	B	C	C	C	D	D
	0.22µF (224)	B	B	C	C	C	D	D
	0.33µF (334)	B	B		C	C	D	D
	0.47µF (474)	B	B		C		D	D
	0.68µF (684)	B	B		C		D	D
1.0µF (105)	C	C		C		D	D	

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