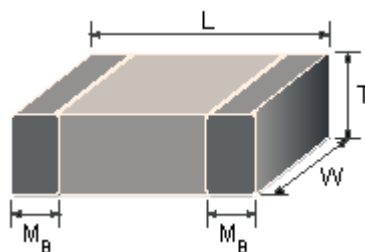


High Voltage Capacitors



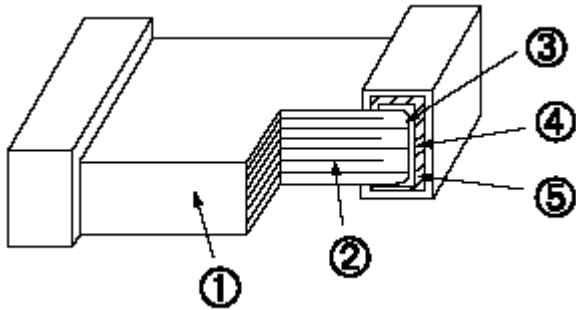
Dimensions Table

Size Inch (mm)	L (mm)	W (mm)	T (mm) / Symbol		Remark	M _B (mm)
0603 (1608)	1.6 ±0.1	0.8 ±0.1	0.8 ±0.07	S		0.4 ±0.15
	1.66 +0.15 / -0.1	0.8 + 0.15 / -0.1	0.8 + 0.15 / -0.1	X		
0805 (2012)	2 ±0.15	1.25 ±0.1	0.5 ±0.1	H		0.5 ±0.2
			0.6 ±0.1	A		
			0.8 ±0.1	B		
			1.25 ±0.1	D	#	
	2 ±0.2	1.25 ±0.2	0.85 ±0.1	T		
			1.25 ±0.2	I	#	
1206 (3216)	3.2 ±0.15	1.6 ±0.15	0.8 ±0.1	B		0.6 ±0.2
			0.95 ±0.1	C	#	
			1.25 ±0.1	D		
			1.15 ±0.15	J		
	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2	G		
			0.85 ±0.1	T		
	3.2 + 0.3 / -0.1	1.6 + 0.3 / -0.1	1.6 + 0.3 / -0.1	P		
1210 (3225)	3.2 ±0.3	2.5 ±0.2	0.95 ±0.1	C		0.75 ±0.25
			0.85 ±0.1	T		
			1.25 ±0.1	D	#	
			1.6 ±0.2	G		
	3.2 ±0.4	2.5 ±0.3	2 ±0.2	K		
			2.5 ±0.3	M		
1812 (4532)	4.5 ±0.4	3.2 ±0.3	1.25 ±0.1	D		0.75 ±0.25
			2 ±0.2	K		
		3.2 ±0.4	2.5 ±0.3	M		
			2.8 ±0.3	U		

Reflow soldering only is recommended

* For safety certificated products and soft termination product please refer to individual sheet for detail

Constructions



The construction of MLCC

Number	Name	NPO / X7R / X7E	NPO / X7R / X5R / Y5V
1	Ceramic material	BaTiO ₃ based	
2	Inner electrode	AgPd alloy	Ni
3	Termination	Inner layer	Cu
4		Middle layer	Ni
5		Outer layer	Sn (Matt)

Storage and handling conditions

- (1) To store products at 5 to 40°C ambient temperature and 20 to 70% related humidity conditions
- (2) The product is recommended to be used within 6 months after shipment. Check solderability in case of shelf life extension is needed

Cautions:

- a. Don't store products in a corrosive environment such as sulphide, chloride gas, or acid. It may cause oxidization of electrode, which easily be resulted in poor soldering.
- b. To store products on the shelf and avoid exposure to moisture.
- c. Don't expose products to excessive shock, vibration, direct sunlight and so on.

Capacitance Range (NP0 Dielectric 200 V to 3,000 V):

Dielectric		NP0										
		0630	0805		1206				1210		1812	
Size		200	200	500	200	630	1,000	2,000	1,000	2,000	1,000	3,000
Rated Voltage (V dc)		200	200	500	200	630	1,000	2,000	1,000	2,000	1,000	3,000
Capacitance	1 pF (1R0)	S	A	A	A	B						
	1.5 pF (1R5)	S	A	A	A	B	B	B				
	2.2 pF (2R2)	S	A	A	A	B	B	B				
	3.3 pF (3R3)	S	A	A	A	B	B	B				
	4.7 pF (4R7)	S	A	A	A	B	B	B				
	6.8 pF (6R8)	S	A	A	A	B	B	B				
	10 pF (100)	S	A	A	A	B	B	B	C	C		D
	15 pF (150)	S	A	A	A	B	B	B	C	C	D	D
	22 pF (220)	S	A	A	A	B	B	B	C	C	D	D
	33 pF (330)	S	A	A	A	B	B	C	C	C	D	D
	47 pF (470)	S	A	A	A	B	C	C	C	C	D	D
	68 pF (680)	S	A	A	A	B	C	D	C	D	D	D
	100 pF (101)	S	A	B	A	B	D	D	D	D	D	D
	150 pF (151)	S	B	D	A	B	D	G	D	G	D	D
	220 pF (221)	S	D	D	A	B	G	G	G	G	D	K
	330 pF (331)		D	D	A	C	G		G		D	K
	470 pF (471)				C	C	G		G		K	K
	680 pF (681)				C	D					K	
	1,500 pF (152)				D						K	
2,200 pF (222)				D								
1,000 pF (102)					G					K		

1. The letter in cell is expressed the symbol of product thickness
2. The letter in cell with "A" mark is expressed product with Ag / Ni / Sn terminations

Change Range (X7R Dielectric 200 V to 3,000 V):

Dielectric		X7R										
Size		0805	1206			1210			1812			
Rated Voltage (V dc)		200	200	630	1,000	2,000	200	630	1,000	630	1,000	3,000
Capacitance	100 pF (101)	B										
	150 pF (151)	B	D	D	D	D						
	0.015 μF (153)	D	D	D			C	D		D	K	
	0.022 μF (223)	D	D	G			C	D		D		
	220 pF (221)		D	D	D	D						
	330 pF (331)		D	D	D	D					D	
	470 pF (471)		D	D	D	D					D	
	680 pF (681)		D	D	D	D					D	K
	1,000 pF (102)		D		D	G	C	D	D	D	D	K
	1,500 pF (152)		D	D	D		C	D	D	D	D	
	2,200 pF (222)		D		D		C	D	D	D	D	
	3,300 pF (332)		D	D	D		C	D	D	D	D	
	4,700 pF (472)		D		D		C	D	G	D	D	
	6,800 pF (682)		D	D	D		C	D	G	D	D	
	0.010 μF (103)		D		D		C	D	G	D	D	
	0.033 μF (333)		G	G			C	G		D		
	0.047 μF (473)		G				D	G		D		
	0.068 μF (683)		G				G			K		
	0.10 μF (104)		G				G			K		
	0.15 μF (154)						M					
0.22 μF (224)						M						
0.33 μF (334)						M						
0.47 μF (474)						M						

1. The letter in cell is expressed the symbol of product thickness
2. The letter in cell with "A" mark is expressed product with Ag / Ni / Sn terminations

Part Number Table

Description	Size Inch (mm)	Dielectric	Capacitance	Tolerance	Rated Voltage (VDC)	Termination	Part Number
Capacitor, 0603, NP0, 200 V, 1 pF	0603 (1608)	NP0 (COG)	1 pF	±0.25 pF	200 V	Cu / Ni / Sn	MCCA000634
Capacitor, 0603, NP0, 200 V, 1.5 pF			1.5 pF				MCCA000635
Capacitor, 0603, NP0, 200 V, 2.2 pF			2.2 pF				MCCA000636
Capacitor, 0603, NP0, 200 V, 3.3 pF			3.3 pF				MCCA000637
Capacitor, 0603, NP0, 200 V, 4.7 pF			4.7 pF				MCCA000638
Capacitor, 0603, NP0, 200 V, 6.8 pF			6.8 pF				MCCA000639
Capacitor, 0603, NP0, 200 V, 10 pF			10 pF	±5%			MCCA000640
Capacitor, 0603, NP0, 200 V, 15 pF			15 pF				MCCA000641
Capacitor, 0603, NP0, 200 V, 22 pF			22 pF				MCCA000642
Capacitor, 0603, NP0, 200 V, 33 pF			33 pF				MCCA000643
Capacitor, 0603, NP0, 200 V, 47 pF			47 pF				MCCA000644
Capacitor, 0603, NP0, 200 V, 68 pF			68 pF				MCCA000645
Capacitor, 0603, NP0, 200 V, 100 pF			100 pF				MCCA000646
Capacitor, 0603, NP0, 200 V, 150 pF			150 pF				MCCA000647
Capacitor, 0603, NP0, 200 V, 220 pF			220 pF				MCCA000648
Capacitor, 0805, NP0, 200 V, 1 pF			0805 (2012)				NP0 (COG)
Capacitor, 0805, NP0, 200 V, 1.5 pF	1.5 pF	MCCA000650					
Capacitor, 0805, NP0, 200 V, 2.2 pF	2.2 pF	MCCA000651					
Capacitor, 0805, NP0, 200 V, 3.3 pF	3.3 pF	MCCA000652					
Capacitor, 0805, NP0, 200 V, 4.7 pF	4.7 pF	MCCA000653					
Capacitor, 0805, NP0, 200 V, 6.8 pF	6.8 pF	MCCA000654					
Capacitor, 0805, NP0, 200 V, 10 pF	10 pF	±5%		MCCA000655			
Capacitor, 0805, NP0, 500 V, 1 pF	1 pF	±0.25 pF		MCCA000656			
Capacitor, 0805, NP0, 500 V, 1.5 pF	1.5 pF			MCCA000657			
Capacitor, 0805, NP0, 500 V, 2.2 pF	2.2 pF			MCCA000658			
Capacitor, 0805, NP0, 500 V, 3.3 pF	3.3 pF			MCCA000659			
Capacitor, 0805, NP0, 500 V, 4.7 pF	4.7 pF			MCCA000660			
Capacitor, 0805, NP0, 500 V, 6.8 pF	6.8 pF			MCCA000661			
Capacitor, 0805, NP0, 500 V, 10 pF	10 pF	±5%		MCCA000662			
Capacitor, 0805, NP0, 500 V, 15 pF	15 pF			MCCA000663			
Capacitor, 0805, NP0, 500 V, 22 pF	22 pF			MCCA000664			
Capacitor, 0805, NP0, 500 V, 33 pF	33 pF		MCCA000665				

Part Number Table

Description	Size Inch (mm)	Dielectric	Capacitance	Tolerance	Rated Voltage (VDC)	Termination	Part Number	
Capacitor, 0805, NP0, 500 V, 47 pF	0805 (2012)	NP0 (C0G)	47 pF	±5%	500 V	Cu / Ni / Sn	MCCA000666	
Capacitor, 0805, NP0, 500 V, 68 pF			68 pF				MCCA000667	
Capacitor, 0805, NP0, 500 V, 100 pF			100 pF				MCCA000668	
Capacitor, 0805, NP0, 500 V, 150 pF			150 pF				MCCA000669	
Capacitor, 0805, NP0, 500 V, 220 pF			220 pF				MCCA000670	
Capacitor, 0805, NP0, 500 V, 330 pF			330 pF				MCCA000671	
Capacitor, 0805, X7R, 200 V, 100 pF		X7R	100 pF	±10%	200 V		MCCA000672	
Capacitor, 0805, X7R, 200 V, 150 pF			150 pF				MCCA000673	
Capacitor, 0805, X7R, 200 V, 15 nF			15 nF				MCCA000674	
Capacitor, 0805, X7R, 200 V, 22 nF			22 nF				MCCA000675	
Capacitor, 1206, NP0, 200 V, 1.5 pF	1206 (3216)	NP0 (C0G)	1.5 pF	±0.25 pF			200 V	MCCA000676
Capacitor, 1206, NP0, 200 V, 2.2 pF			2.2 pF					MCCA000677
Capacitor, 1206, NP0, 200 V, 3.3 pF			3.3 pF					MCCA000678
Capacitor, 1206, NP0, 200 V, 4.7 pF			4.7 pF					MCCA000679
Capacitor, 1206, NP0, 200 V, 6.8 pF			6.8 pF					MCCA000680
Capacitor, 1206, NP0, 200 V, 10 pF			10 pF	±5%				MCCA000681
Capacitor, 1206, NP0, 200 V, 15 pF			15 pF		MCCA000682			
Capacitor, 1206, NP0, 200 V, 22 pF			22 pF		MCCA000683			
Capacitor, 1206, NP0, 200 V, 33 pF			33 pF		MCCA000684			
Capacitor, 1206, NP0, 200 V, 47 pF			47 pF		MCCA000685			
Capacitor, 1206, NP0, 200 V, 68 pF		68 pF	MCCA000686					
Capacitor, 1206, NP0, 200 V, 100 pF		100 pF	MCCA000687					
Capacitor, 1206, NP0, 200 V, 150 pF		150 pF	MCCA000688					
Capacitor, 1206, NP0, 200 V, 220 pF		220 pF	MCCA000689					
Capacitor, 1206, NP0, 200 V, 330 pF		330 pF	MCCA000690					
Capacitor, 1206, NP0, 200 V, 470 pF		470 pF	MCCA000691					
Capacitor, 1206, NP0, 200 V, 680 pF		680 pF	MCCA000692					
Capacitor, 1206, NP0, 200 V, 1.5 nF		1.5 nF	MCCA000693					
Capacitor, 1206, NP0, 200 V, 2.2 nF		2.2 nF	MCCA000694					
Capacitor, 1206, NP0, 630 V, 1.5 pF		1.5 pF	±0.25 pF	630 V	MCCA000695			
Capacitor, 1206, NP0, 630 V, 2.2 pF		2.2 pF			MCCA000696			
Capacitor, 1206, NP0, 630 V, 3.3 pF		3.3 pF			MCCA000697			

Part Number Table

Description	Size Inch (mm)	Dielectric	Capacitance	Tolerance	Rated Voltage (VDC)	Termination	Part Number	
Capacitor, 1206, NP0, 630 V, 4.7 pF	1206 (3216)	NP0 (C0G)	4.7 pF	±0.25 pF	630 V	Cu / Ni / Sn	MCCA000698	
Capacitor, 1206, NP0, 630 V, 6.8 pF			6.8 pF				MCCA000699	
Capacitor, 1206, NP0, 630 V, 10 pF			10 pF	MCCA000700				
Capacitor, 1206, NP0, 630 V, 15 pF			15 pF	MCCA000701				
Capacitor, 1206, NP0, 630 V, 22 pF			22 pF	MCCA000702				
Capacitor, 1206, NP0, 630 V, 33 pF			33 pF	MCCA000703				
Capacitor, 1206, NP0, 630 V, 47 pF			47 pF	MCCA000704				
Capacitor, 1206, NP0, 630 V, 68 pF			68 pF	MCCA000705				
Capacitor, 1206, NP0, 630 V, 150 pF			150 pF	MCCA000706				
Capacitor, 1206, NP0, 630 V, 220 pF			220 pF	MCCA000707				
Capacitor, 1206, NP0, 630 V, 330 pF			330 pF	MCCA000708				
Capacitor, 1206, NP0, 630 V, 470 pF			470 pF	MCCA000709				
Capacitor, 1206, NP0, 630 V, 680 pF			680 pF	MCCA000710				
Capacitor, 1206, NP0, 630 V, 1 nF			1 nF	MCCA000711				
Capacitor, 1206, NP0, 1,000 V, 1.5 pF			1.5 pF	1,000 V			±0.25 pF	MCCA000712
Capacitor, 1206, NP0, 1,000 V, 2.2 pF			2.2 pF					MCCA000713
Capacitor, 1206, NP0, 1,000 V, 3.3 pF			3.3 pF		MCCA000714			
Capacitor, 1206, NP0, 1,000 V, 4.7 pF			4.7 pF		MCCA000715			
Capacitor, 1206, NP0, 1,000 V, 6.8 pF			6.8 pF		MCCA000716			
Capacitor, 1206, NP0, 1,000 V, 10 pF			10 pF		MCCA000717			
Capacitor, 1206, NP0, 1,000 V, 15 pF			15 pF		MCCA000718			
Capacitor, 1206, NP0, 1,000 V, 22 pF			22 pF		MCCA000719			
Capacitor, 1206, NP0, 1,000 V, 33 pF			33 pF		MCCA000720			
Capacitor, 1206, NP0, 1,000 V, 47 pF			47 pF		MCCA000721			
Capacitor, 1206, NP0, 1,000 V, 68 pF			68 pF		MCCA000722			
Capacitor, 1206, NP0, 1,000 V, 100 pF			100 pF		MCCA000723			
Capacitor, 1206, NP0, 1,000 V, 150 pF			150 pF		MCCA000724			
Capacitor, 1206, NP0, 1,000 V, 220 pF			220 pF		MCCA000725			
Capacitor, 1206, NP0, 1,000 V, 330 pF			330 pF		MCCA000726			
Capacitor, 1206, NP0, 1,000 V, 470 pF			470 pF		MCCA000727			
Capacitor, 1206, NP0, 2,000 V, 1.5 pF			1.5 pF	±0.25 pF	2,000 V		MCCA000728	
Capacitor, 1206, NP0, 2,000 V, 2.2 pF			2.2 pF				MCCA000729	

Part Number Table

Description	Size Inch (mm)	Dielectric	Capacitance	Tolerance	Rated Voltage (VDC)	Termination	Part Number
Capacitor, 1206, NP0, 2,000 V, 3.3 pF	1206 (3216)	NP0 (COG)	3.3 pF	±0.25 pF	2,000 V	Cu / Ni / Sn	MCCA000730
Capacitor, 1206, NP0, 2,000 V, 4.7 pF			4.7 pF				MCCA000731
Capacitor, 1206, NP0, 2,000 V, 6.8 pF			6.8 pF				MCCA000732
Capacitor, 1206, NP0, 2,000 V, 10 pF			10 pF	±5%			MCCA000733
Capacitor, 1206, NP0, 2,000 V, 15 pF			15 pF				MCCA000734
Capacitor, 1206, NP0, 2,000 V, 22 pF			22 pF				MCCA000735
Capacitor, 1206, NP0, 2,000 V, 33 pF			33 pF				MCCA000736
Capacitor, 1206, NP0, 2,000 V, 47 pF			47 pF				MCCA000737
Capacitor, 1206, NP0, 2,000 V, 68 pF			68 pF				MCCA000738
Capacitor, 1206, NP0, 2,000 V, 100 pF			100 pF				MCCA000739
Capacitor, 1206, NP0, 2,000 V, 150 pF			150 pF				MCCA000740
Capacitor, 1206, NP0, 2,000 V, 220 pF			220 pF				MCCA000741
Capacitor, 1206, X7R, 200 V, 150 pF		150 pF	X7R	±10%	200 V		MCCA000742
Capacitor, 1206, X7R, 200 V, 220 pF		220 pF					MCCA000743
Capacitor, 1206, X7R, 200 V, 330 pF		330 pF					MCCA000744
Capacitor, 1206, X7R, 200 V, 470 pF		470 pF					MCCA000745
Capacitor, 1206, X7R, 200 V, 680 pF		680 pF					MCCA000746
Capacitor, 1206, X7R, 200 V, 1 nF		1 nF					MCCA000747
Capacitor, 1206, X7R, 200 V, 1.5 nF		1.5 nF					MCCA000748
Capacitor, 1206, X7R, 200 V, 2.2 nF		2.2 nF					MCCA000749
Capacitor, 1206, X7R, 200 V, 3.3 nF		3.3 nF					MCCA000750
Capacitor, 1206, X7R, 200 V, 4.7 nF		4.7 nF					MCCA000751
Capacitor, 1206, X7R, 200 V, 6.8 nF		6.8 nF					MCCA000752
Capacitor, 1206, X7R, 200 V, 10 nF		10 nF					MCCA000753
Capacitor, 1206, X7R, 200 V, 33 nF		33 nF		MCCA000754			
Capacitor, 1206, X7R, 200 V, 47 nF		47 nF		MCCA000755			
Capacitor, 1206, X7R, 200 V, 68 nF		68 nF		MCCA000756			
Capacitor, 1206, X7R, 200 V, 100 nF		100 nF		MCCA000757			
Capacitor, 1206, X7R, 630 V, 150 pF		150 pF		±10%	630 V		MCCA000758
Capacitor, 1206, X7R, 630 V, 220 pF		220 pF					MCCA000759
Capacitor, 1206, X7R, 630 V, 330 pF		330 pF					MCCA000760
Capacitor, 1206, X7R, 630 V, 470 pF		470 pF					MCCA000761

Part Number Table

Description	Size Inch (mm)	Dielectric	Capacitance	Tolerance	Rated Voltage (VDC)	Termination	Part Number			
Capacitor, 1206, X7R, 630 V, 680 pF	1206 (3216)	X7R	680 pF	±10%	630 V	Cu / Ni / Sn	MCCA000762			
Capacitor, 1206, X7R, 630 V, 1.5 nF			1.5 nF				MCCA000763			
Capacitor, 1206, X7R, 630 V, 3.3 nF			3.3 nF				MCCA000764			
Capacitor, 1206, X7R, 630 V, 6.8 nF			6.8 nF				MCCA000765			
Capacitor, 1206, X7R, 630 V, 15 nF			15 nF				MCCA000766			
Capacitor, 1206, X7R, 630 V, 22 nF			22 nF				MCCA000767			
Capacitor, 1206, X7R, 630 V, 33 nF			33 nF				MCCA000768			
Capacitor, 1206, X7R, 1,000 V, 150 pF			150 pF				MCCA000769			
Capacitor, 1206, X7R, 1,000 V, 220 pF			220 pF				MCCA000770			
Capacitor, 1206, X7R, 1,000 V, 330 pF			330 pF				MCCA000771			
Capacitor, 1206, X7R, 1,000 V, 470 pF			470 pF		MCCA000772					
Capacitor, 1206, X7R, 1,000 V, 680 pF			680 pF		MCCA000773					
Capacitor, 1206, X7R, 1,000 V, 1 nF			1 nF		MCCA000774					
Capacitor, 1206, X7R, 1,000 V, 1.5 nF			1.5 nF		MCCA000775					
Capacitor, 1206, X7R, 1,000 V, 2.2 nF			2.2 nF		MCCA000776					
Capacitor, 1206, X7R, 1,000 V, 3.3 nF			3.3 nF		MCCA000777					
Capacitor, 1206, X7R, 1,000 V, 4.7 nF			4.7 nF		MCCA000778					
Capacitor, 1206, X7R, 1,000 V, 6.8 nF			6.8 nF		MCCA000779					
Capacitor, 1206, X7R, 1,000 V, 10 nF			10 nF		MCCA000780					
Capacitor, 1206, X7R, 2,000 V, 150 pF			150 pF		MCCA000781					
Capacitor, 1206, X7R, 2,000 V, 220 pF			220 pF		MCCA000782					
Capacitor, 1206, X7R, 2,000 V, 330 pF			330 pF		MCCA000783					
Capacitor, 1206, X7R, 2,000 V, 470 pF			470 pF		MCCA000784					
Capacitor, 1206, X7R, 2,000 V, 680 pF			680 pF		MCCA000785					
Capacitor, 1206, X7R, 2,000 V, 1 nF			1 nF		MCCA000786					
Capacitor, 1210, NP0, 1,000 V, 10 pF			1210 (3225)		NP0 (C0G)		10 pF	±5%	1,000 V	MCCA000787
Capacitor, 1210, NP0, 1,000 V, 15 pF							15 pF			MCCA000788
Capacitor, 1210, NP0, 1,000 V, 22 pF							22 pF			MCCA000789
Capacitor, 1210, NP0, 1,000 V, 33 pF							33 pF			MCCA000790
Capacitor, 1210, NP0, 1,000 V, 47 pF							47 pF			MCCA000791
Capacitor, 1210, NP0, 1,000 V, 68 pF	68 pF	MCCA000792								
Capacitor, 1210, NP0, 1,000 V, 100 pF	100 pF	MCCA000793								

Part Number Table

Description	Size Inch (mm)	Dielectric	Capacitance	Tolerance	Rated Voltage (VDC)	Termination	Part Number
Capacitor, 1210, NP0, 1,000 V, 150 pF	1210 (3225)	NP0 (COG)	150 pF	±5%	1,000 V	Cu / Ni / Sn	MCCA000794
Capacitor, 1210, NP0, 1,000 V, 220 pF			220 pF				MCCA000795
Capacitor, 1210, NP0, 1,000 V, 330 pF			330 pF				MCCA000796
Capacitor, 1210, NP0, 1,000 V, 470 pF			470 pF				MCCA000797
Capacitor, 1210, NP0, 2,000 V, 10 pF			10 pF				MCCA000798
Capacitor, 1210, NP0, 2,000 V, 15 pF			15 pF				MCCA000799
Capacitor, 1210, NP0, 2,000 V, 22 pF			22 pF		MCCA000800		
Capacitor, 1210, NP0, 2,000 V, 33 pF			33 pF		MCCA000801		
Capacitor, 1210, NP0, 2,000 V, 47 pF			47 pF		MCCA000802		
Capacitor, 1210, NP0, 2,000 V, 68 pF			68 pF		MCCA000803		
Capacitor, 1210, NP0, 2,000 V, 100 pF			100 pF		MCCA000804		
Capacitor, 1210, NP0, 2,000 V, 150 pF			150 pF		MCCA000805		
Capacitor, 1210, NP0, 2,000 V, 220 pF			220 pF		MCCA000806		
Capacitor, 1210, X7R, 200 V, 1 nF			X7R		±10%		1 nF
Capacitor, 1210, X7R, 200 V, 1.5 nF		1.5 nF		MCCA000808			
Capacitor, 1210, X7R, 200 V, 2.2 nF		2.2 nF		MCCA000809			
Capacitor, 1210, X7R, 200 V, 3.3 nF		3.3 nF		MCCA000810			
Capacitor, 1210, X7R, 200 V, 4.7 nF		4.7 nF		MCCA000811			
Capacitor, 1210, X7R, 200 V, 6.8 nF		6.8 nF		MCCA000812			
Capacitor, 1210, X7R, 200 V, 10 nF		10 nF		MCCA000813			
Capacitor, 1210, X7R, 200 V, 15 nF		15 nF		MCCA000814			
Capacitor, 1210, X7R, 200 V, 22 nF		22 nF		MCCA000815			
Capacitor, 1210, X7R, 200 V, 33 nF		33 nF		MCCA000816			
Capacitor, 1210, X7R, 200 V, 47 nF		47 nF		MCCA000817			
Capacitor, 1210, X7R, 200 V, 68 nF		68 nF		MCCA000818			
Capacitor, 1210, X7R, 200 V, 100 nF		100 nF		MCCA000819			
Capacitor, 1210, X7R, 200 V, 150 nF	150 nF	MCCA000820					
Capacitor, 1210, X7R, 200 V, 220 nF	220 nF	MCCA000821					
Capacitor, 1210, X7R, 200 V, 330 nF	330 nF	MCCA000822					
Capacitor, 1210, X7R, 200 V, 470 nF	470 nF	MCCA000823					
Capacitor, 1210, X7R, 630 V, 1 nF	1 nF	630 V		MCCA000824			
Capacitor, 1210, X7R, 630 V, 1.5 nF	1.5 nF		MCCA000825				
Capacitor, 1210, X7R, 630 V, 2.2 nF	2.2 nF		MCCA000826				

Part Number Table

Description	Size Inch (mm)	Dielectric	Capacitance	Tolerance	Rated Voltage (VDC)	Termination	Part Number
Capacitor, 1210, X7R, 630 V, 3.3 nF	1210 (3225)	X7R	3.3 nF	±10%	630 V	Cu / Ni / Sn	MCCA000827
Capacitor, 1210, X7R, 630 V, 4.7 nF			4.7 nF				MCCA000828
Capacitor, 1210, X7R, 630 V, 6.8 nF			6.8 nF				MCCA000829
Capacitor, 1210, X7R, 630 V, 10 nF			10 nF				MCCA000830
Capacitor, 1210, X7R, 630 V, 15 nF			15 nF				MCCA000831
Capacitor, 1210, X7R, 630 V, 22 nF			22 nF				MCCA000832
Capacitor, 1210, X7R, 630 V, 33 nF			33 nF				MCCA000833
Capacitor, 1210, X7R, 630 V, 47 nF			47 nF				MCCA000834
Capacitor, 1210, X7R, 1,000 V, 1 nF			1 nF		MCCA000835		
Capacitor, 1210, X7R, 1,000 V, 1.5 nF			1.5 nF		MCCA000836		
Capacitor, 1210, X7R, 1,000 V, 2.2 nF			2.2 nF		MCCA000837		
Capacitor, 1210, X7R, 1,000 V, 3.3 nF			3.3 nF		MCCA000838		
Capacitor, 1210, X7R, 1,000 V, 4.7 nF			4.7 nF		MCCA000839		
Capacitor, 1210, X7R, 1,000 V, 6.8 nF			6.8 nF		MCCA000840		
Capacitor, 1210, X7R, 1,000 V, 10 nF			10 nF		MCCA000841		
Capacitor, 1812, NP0, 1,000 V, 15 pF			1812 (4532)		NP0 (COG)		15 pF
Capacitor, 1812, NP0, 1,000 V, 22 pF	22 pF	MCCA000843					
Capacitor, 1812, NP0, 1,000 V, 33 pF	33 pF	MCCA000844					
Capacitor, 1812, NP0, 1,000 V, 47 pF	47 pF	MCCA000845					
Capacitor, 1812, NP0, 1,000 V, 68 pF	68 pF	MCCA000846					
Capacitor, 1812, NP0, 1,000 V, 100 pF	100 pF	MCCA000847					
Capacitor, 1812, NP0, 1,000 V, 150 pF	150 pF	MCCA000848					
Capacitor, 1812, NP0, 1,000 V, 220 pF	220 pF	MCCA000849					
Capacitor, 1812, NP0, 1,000 V, 330 pF	330 pF	MCCA000850					
Capacitor, 1812, NP0, 1,000 V, 470 pF	470 pF	MCCA000851					
Capacitor, 1812, NP0, 1,000 V, 680 pF	680 pF	MCCA000852					
Capacitor, 1812, NP0, 1,000 V, 1 nF	1 nF	MCCA000853					
Capacitor, 1812, NP0, 1,000 V, 1.5 nF	1.5 nF	MCCA000854					
Capacitor, 1812, NP0, 3,000 V, 10 pF	10 pF	MCCA000855					
Capacitor, 1812, NP0, 3,000 V, 15 pF	15 pF	MCCA000856					
Capacitor, 1812, NP0, 3,000 V, 22 pF	22 pF	MCCA000857					
Capacitor, 1812, NP0, 3,000 V, 33 pF	33 pF	MCCA000858					
Capacitor, 1812, NP0, 3,000 V, 47 pF	47 pF	MCCA000859					

Part Number Table

Description	Size Inch (mm)	Dielectric	Capacitance	Tolerance	Rated Voltage (VDC)	Termination	Part Number
Capacitor, 1812, NP0, 3,000 V, 68 pF	1812 (4532)	NP0 (COG)	68 pF	±5%	3,000 V	Cu / Ni / Sn	MCCA000860
Capacitor, 1812, NP0, 3,000 V, 100 pF			100 pF				MCCA000861
Capacitor, 1812, NP0, 3,000 V, 150 pF			150 pF				MCCA000862
Capacitor, 1812, NP0, 3,000 V, 220 pF			220 pF				MCCA000863
Capacitor, 1812, NP0, 3,000 V, 330 pF			330 pF				MCCA000864
Capacitor, 1812, NP0, 3,000 V, 470 pF			470 pF				MCCA000865
Capacitor, 1812, X7R, 630 V, 1 nF			1 nF				MCCA000866
Capacitor, 1812, X7R, 630 V, 1.5 nF		1.5 nF	MCCA000867				
Capacitor, 1812, X7R, 630 V, 2.2 nF		2.2 nF	MCCA000868				
Capacitor, 1812, X7R, 630 V, 3.3 nF		3.3 nF	MCCA000869				
Capacitor, 1812, X7R, 630 V, 4.7 nF		4.7 nF	MCCA000870				
Capacitor, 1812, X7R, 630 V, 6.8 nF		6.8 nF	MCCA000871				
Capacitor, 1812, X7R, 630 V, 10 nF		10 nF	MCCA000872				
Capacitor, 1812, X7R, 630 V, 15 nF		15 nF	MCCA000873				
Capacitor, 1812, X7R, 630 V, 22 nF		22 nF	MCCA000874				
Capacitor, 1812, X7R, 630 V, 33 nF		33 nF	MCCA000875				
Capacitor, 1812, X7R, 630 V, 47 nF		47 nF	MCCA000876				
Capacitor, 1812, X7R, 630 V, 68 nF		68 nF	MCCA000877				
Capacitor, 1812, X7R, 630 V, 100 nF		100 nF	MCCA000878				
Capacitor, 1812, X7R, 1,000 V, 330 pF		330 pF	MCCA000879				
Capacitor, 1812, X7R, 1,000 V, 470 pF		470 pF	MCCA000880				
Capacitor, 1812, X7R, 1,000 V, 680 pF		680 pF	MCCA000881				
Capacitor, 1812, X7R, 1,000 V, 1 nF		1 nF	MCCA000882				
Capacitor, 1812, X7R, 1,000 V, 1.5 nF		1.5 nF	MCCA000883				
Capacitor, 1812, X7R, 1,000 V, 2.2 nF		2.2 nF	MCCA000884				
Capacitor, 1812, X7R, 1,000 V, 3.3 nF		3.3 nF	MCCA000885				
Capacitor, 1812, X7R, 1,000 V, 4.7 nF		4.7 nF	MCCA000886				
Capacitor, 1812, X7R, 1,000 V, 6.8 nF		6.8 nF	MCCA000887				
Capacitor, 1812, X7R, 1,000 V, 10 nF		10 nF	MCCA000888				
Capacitor, 1812, X7R, 1,000 V, 15 nF		15 nF	MCCA000889				
Capacitor, 1812, X7R, 3,000 V, 680 pF		680 pF	MCCA000890				
Capacitor, 1812, X7R, 3,000 V, 1 nF		1 nF	MCCA000891				

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