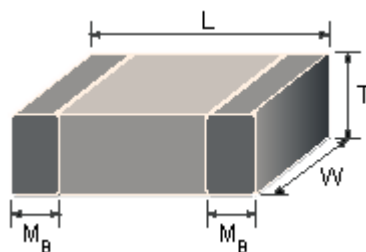


High Voltage Capacitors



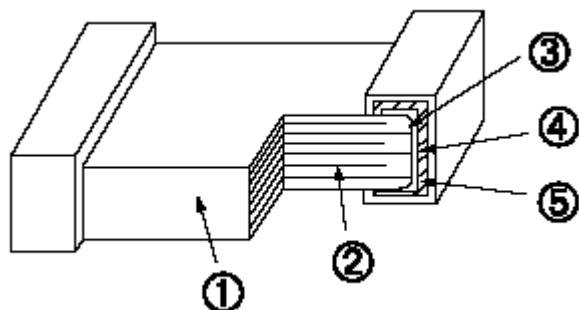
Dimensions Table

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	Ag	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										
Size		0630	0805		1206				1210		1812	
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 μ F (153)	D	D	D			C	D		D	K	
	0.022 μ F (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 μ F (103)		D		D		C	D	G	D	D	
	0.033 μ F (333)		G	G			C	G		D		
	0.047 μ F (473)		G				D	G		D		
	0.068 μ F (683)		G				G			K		
	0.10 μ F (104)		G				G			K		
	0.15 μ F (154)						M					
	0.22 μ F (224)						M					
	0.33 μ F (334)						M					
	0.47 μ F (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)				1 pF	±0.25 pF
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			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	±0.25 pF	630 V		MCCA000693
Capacitor, 1206, NP0, 200 V, 2.2 nF			2.2 nF				MCCA000694
Capacitor, 1206, NP0, 630 V, 1.5 pF		1.5 pF	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	±0.25 pF	1,000 V		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 (C0G)	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		X7R	150 pF	±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		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		1,000 V		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				2,000 V
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 (C0G)	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		1 nF		±10%	200 V	MCCA000807
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 (C0G)		15 pF	±5%	1,000 V	MCCA000842
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 (C0G)	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		X7R	1 nF	±10%	630 V		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		1,000 V		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		3,000 V		MCCA000890
Capacitor, 1812, X7R, 3,000 V, 1 nF			1 nF				MCCA000891

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