■ HOW TO ORDER

Type of MLCC	0805		B	104	K	500	C	T
General Purpose MLCC Ultra-small MLCC Middle & High Voltage MLCC	**Size** Inch (mm) : 01R5(0402), 0201(0603), 0402(1005), 0603(1608), 0805(2012), 1206(3216), 1210(3225), 1808(4520), 1812(4532), 1825(4563), 2220(5750), 2225(5763)		**Dielectric**	**Capacitance**	**Tolerance**	**Rated voltage**	**Termination**	**Packaging**
High Vol. Cap. with Surface Coating			N=NP0 G=X8G R=X8R B=X7R A=X7S S=X6S X=X5R F=Y5V	Two significant digits followed by no. of zeros. And R is in place of decimal point. R47=0.47pF 0R5=0.5pF 1R0=1pF 100=10pF 101=100pF 102=1000pF 103=0.01uF 104=0.1uF 105=1uF 106=10uF 107=100uF	A= ±0.05pF B= ±0.1pF C= ±0.25pF D= ±0.5pF F= ±1% G= ±2% J= ±5% K= ±10% M= ±20% Z=-20/+80% P=±0.02pF** Q=±0.03pF**	Two significant digits followed by no. of zeros. And R is in place of decimal point. 4R0=4 Vdc 6R3=6.3 Vdc 100=10 Vdc 160=16 Vdc 250=25 Vdc 350=35 Vdc 500=50 Vdc 101=100 Vdc 201=200 Vdc 251=250 Vdc 401=400 Vdc 451=450 Vdc 501=500 Vdc 631=630 Vdc 102=1000 Vdc 152=1500 Vdc 202=2000 Vdc 252=2500 Vdc 302=3000 Vdc 402=4000 Vdc 502=5000 Vdc 602=6000 Vdc`	C=Cu/Ni/Sn	T=7" reeled Q=10" reeled G=13" reeled
Microwave MLCC Microwave-Narrow Tolerance Microwave-High reliability Automotive High-Q MLCC High Q / Low ESR MLCC Automotive MLCC High Temperature MLCC. Safety Certificated MLCC Low Profile MLCC Feed Through MLCC	**RF** **Series** RF=Microwave UF=Microwave-Narrow Tolerance RH=Microwave-High reliability RT=Automotive High Q Caps Qualified to AEC-Q200 HH=High Q/ Low ESR MT=Automotive Cap. Qualified to AEC-Q200 MG=Automotive Cap. without AEC-Q200 HT=High Temperature Cap. TT=Low profile FT=Feed Through(3-terminal)	**03** **Size** Inch : 02=01005 03=0201 15=0402 11=0505 18=0603 21=0805 22=1111 31=1206 32=1210 42=1808 43=1812 52=2211 55=2220 56=2225					
Soft Termination MLCC	ST=Qualified to AEC-Q200 SH=With Ag polymer SG=With Cu polymer						C=Cu +Conductive resin /Ni /Sn	
Safety Certificated MLCC	S2=X1/Y2 safety class S3=X2 safety class						C=Cu/Ni/Sn E=Cu+Conductive resin /Ni /Sn	
Mega Cap type (M Series)	M1= Mega Cap. 1 chip M2= Mega Cap. 2 chips						B=3.60±0.35mm C=4.20±0.35mm F=6.00±0.35mm G=6.60±0.35mm	L= L type lead

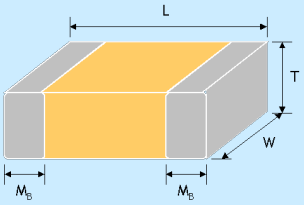
* The packaging code per each size of reel, please refer to following table "packaging style and quantity".
** Tolerance "P" & "Q" only for UF series items.

■ PACKAGING STYLE AND QUANTITY

Unit: pieces

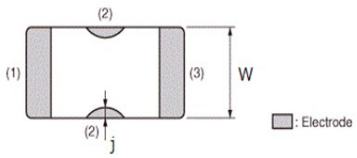
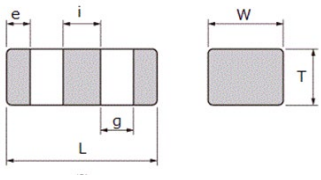
Size Inch (mm)	Thickness (mm)/Symbol		Paper tape		Plastic tape	
			7" reel	13" reel	7" reel	13" reel
01005 (0402)	0.20±0.02	V	20,000	-	40,000(W4P1)-	-
0201 (0603)	0.30±0.03	L	15,000	70,000	-	-
0402 (1005)	0.50±0.05	N	10,000	50,000	-	-
	0.50+0.02/-0.05	Q	10,000	50,000	-	-
	0.50±0.20	E	10,000	40,000	-	-
0603 (1608)	0.50±0.10	H	4,000	20,000	-	-
	0.80±0.07	S	4,000	15,000	-	-
	0.80+0.15/-0.10	X	4,000	15,000	-	-
0805 (2012)	0.50±0.10	H	4,000	15,000	-	-
	0.60±0.10	A	4,000	15,000	-	-
	0.80±0.10	B	4,000	15,000	-	-
	0.85±0.10	T	4,000	15,000	-	-
	1.25±0.10	D	-	-	3,000	10,000
	1.25±0.20	I	-	-	3,000	10,000
1206 (3216)	0.80±0.10	B	4,000	15,000	-	-
	0.85±0.10	T	4,000	15,000	-	-
	0.95±0.10	C	-	-	3,000	10,000
	1.15±0.15	J	-	-	3,000	10,000
	1.25±0.10	D	-	-	3,000	10,000
	1.60±0.20	G	-	-	2,000	10,000
	1.60+0.30/-0.10	P	-	-	2,000	9,000
1210 (3225)	0.85±0.10	T	-	-	3,000	10,000
	0.95±0.10	C	-	-	3,000	10,000
	1.25±0.10	D	-	-	3,000	10,000
	1.60±0.20	G	-	-	2,000	8,000
	2.00±0.20	K	-	-	1,000	6,000
	2.50±0.30	M	-	-	1,000	6,000
1808 (4520)	1.25±0.10	D	-	-	2,000	10,000
	1.40±0.15	F	-	-	2,000	10,000
	1.60±0.20	G	-	-	2,000	8,000
	2.00±0.20	K	-	-	1,000	6,000
1812 (4532)	1.25±0.10	D	-	-	1,000	5,000
	1.60±0.20	G	-	-	1,000	4,000
	2.00±0.20	K	-	-	1,000	3,000
	2.50±0.30	M	-	-	500	3,000
	2.80±0.30	U	-	-	500	1,500
1825 (4563) 2220 (5750) 2225 (5763)	1.60±0.20	G	-	-	1,000	-
	2.00±0.20	K	-	-	1,000	-
	2.50±0.30	M	-	-	500	-
	2.80±0.30	U	-	-	500	-
0505 (1414)	1.15±0.15	J	-	-	3,000	-
1111 (2828)	≤ 1.78	G	-	-	2,000	-

■ SINGLE CHIP CAPACITORS

Outline	Size Inch (mm)	L (mm)	W (mm)	T (mm)/Symbol		Soldering Method *	M_B (mm)
	01R5 (0402)	0.4±0.02	0.2±0.02	0.2±0.02	V	R	0.10±0.03
	0201 (0603)	0.6±0.03	0.3±0.03	0.3±0.03	L	R	0.15±0.05
		0.6±0.05#2	0.3±0.05#2	0.3±0.05#2			
		0.6±0.09#3	0.3±0.09#3	0.3±0.09#3			0.15+0.1/-0.05
	0402 (1005)	1.00±0.05	0.50±0.05	0.50±0.05	N	R	0.25 +0.05/-0.10
				0.50+0.02/-0.05	Q	R	
		1.00±0.20	0.50±0.20	0.5±0.20	E	R	
	0603 (1608)	1.60±0.10	0.80±0.10	0.80±0.07	S	R / W	0.40±0.15
		1.60+0.15/-0.10	0.80+0.15/-0.10	0.50±0.10	H	R / W	
				0.80+0.15/-0.10	X	R / W	
		1.60±0.20#1	0.80±0.20#1	0.8±0.20#1			
	0805 (2012)	2.00±0.15	1.25±0.10	0.50±0.10	H	R / W	0.50±0.20
				0.60±0.10	A	R / W	
				0.80±0.10	B	R / W	
				1.25±0.10	D	R	
		2.00±0.20	1.25±0.20	0.85±0.10	T	R / W	
				1.25±0.20	I	R	
	1206 (3216)	3.20±0.15	1.60±0.15	0.80±0.10	B	R / W	0.60±0.20 (0.5±0.25)***
				0.95±0.10	C	R	
				1.25±0.10	D	R	
		3.20±0.20		1.15±0.15	J	R	
			1.60±0.20	1.60±0.20	G	R	
				0.85±0.10	T	R / W	
		3.20+0.30/-0.1 3.30+0.30/-0.1#5	1.60 +0.30/-0.10	1.60+0.30/-0.10	P	R	
	1210 (3225)	3.20±0.30	2.50±0.20	0.95±0.10	C	R	0.75±0.25
				0.85±0.10	T	R	
				1.25±0.10	D	R	
		3.20±0.40	2.50±0.30	1.60±0.20	G	R	
				2.00±0.20	K	R	
				2.50±0.30	M	R	
		3.20±0.60#4	2.50±0.50#4	2.50±0.50#4			
	1808 (4520)	4.50±0.40 (4.5+0.5/-0.3)**	2.03±0.25	1.25±0.10	D	R	0.75±0.25 (0.5±0.25)***
				1.40±0.15	F	R	
				1.60±0.20	G	R	
				2.00±0.20	K	R	
	1812 (4532)	4.50±0.40 (4.5+0.5/-0.3)**	3.20±0.30	1.25±0.10	D	R	0.75±0.25 (0.5±0.25)***
				1.60±0.20	G	R	
				2.00±0.20	K	R	
			3.20±0.40	2.50±0.30	M	R	
				2.80±0.30	U	R	
	1825 (4563)	4.50±0.40	6.30±0.40	1.60±0.20 (G) 2.00±0.20 (K) 2.50±0.30 (M) 2.80±0.30 (U)		R	0.75±0.35
	2211 (5728)	5.70±0.40	2.80±0.30			R	0.85±0.35
	2220 (5750)	5.70±0.40	5.00±0.40			R	0.85±0.35
	2225 (5763)	5.70±0.40	6.30±0.40			R	0.85±0.35

* Recommended soldering method : R = Reflow soldering process; W = Wave soldering process.
** For 1808/1812/1825_200V~4000V and safety certificated products.
*** For 1206_≧1000V, 1808/1812_200V~4000V and safety certificated products.
#1: For 0603/Cap≧10μF or 0603(≦6.3V)/Cap≧4.7μF or 0603(>10V)/Cap>1μF products.
#2: For 0201/ 0.1uF < Cap < 0.68uF products, Excluding 0201X334~474(≦6.3V) & 0201X224(≦10V)
#3: For 0201/Cap≧0.68μF products.
#4: For 1210(100V)/Cap>1μF or 1210(250V)/Cap>0.47μF or 1210(400V~630V)/Cap>0.22μF.
#5: For 1206(100V)/Cap≧1.2μF products.
The table only for General Purpose Series, Soft termination and others please refer to individual sheet for details.

■ Feed Through Type Capacitor

Outline	Size Inch (mm)	L (mm)	W (mm)	T (mm)/Symbol		e (mm)	g (mm)	i (mm)	J (mm)
	0402 (1005)	1.00±0.10	0.50±0.20	0.40±0.10	W	0.17±0.10	0.10 min	0.35±0.10	0.15±0.10
	0805 (2012)	2.00±0.20	1.25±0.10	0.85±0.10	T	0.30±0.20	0.40±0.20	0.60±0.20	0.25±0.20

Reflow soldering process only.

■ FEATURES

* A wide selection of sizes is available (0201 to 2225).
* High capacitance in given case size.
* Capacitor with lead-free termination (pure Tin).

■ GENERAL ELECTRICAL DATA

Dielectric	NP0	X7R	X7S	X6S	X5R	Y5V
Size	0201, 0402, 0603, 0805, 1206, 1210, 1812, 1825, 2220, 2225					
Capacitance range	0.1pF to 0.1μF	100pF to 47μF	0.1μF to 100μF	0.1μF to 100μF	100pF to 220μF	0.01μF to 100μF
Capacitance tolerance	Cap≤5pF[#1]: A (±0.05pF), B (±0.1pF), C (±0.25pF) 5pF<Cap<10pF: C (±0.25pF), D (±0.5pF) Cap≥10pF: F(±1%), G (±2%), J (±5%), K (±10%)	J (±5%), K (±10%), M (±20%)	K (±10%), M (±20%)	K (±10%), M (±20%)	K (±10%), M (±20%)	M (±20%), Z (-20/+80%)
Rated voltage (WVDC)	10V, 16V, 25V, 50V, 100V	4V, 6.3V, 10V, 16V, 25V, 50V, 100V				
Operating temperature	-55 to +125°C			-55 to +105°C	-55 to +85°C	-25 to +85°C
Capacitance characteristic	±30ppm	±15%	±22%		±15%	+30/-80%
Termination	Ni/Sn (lead-free termination)					

#1: NP0, 0.1pF product only provide B tolerance

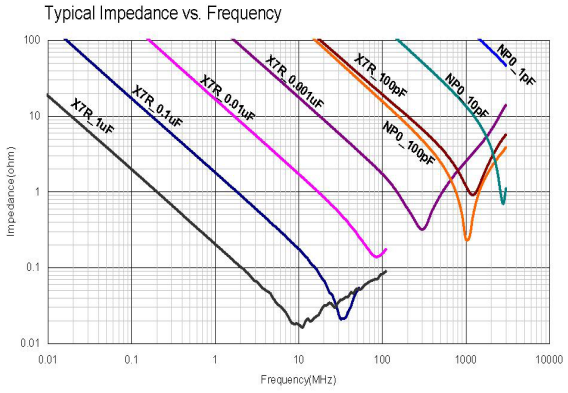
■ EXPLANATION OF PART NUMBERS

1206	B	104	K	500	C	T
Size (Inch (mm))	**Dielectric**	**Capacitance**	**Tolerance**	**Rated voltage**	**Termination**	**Packaging style**
1206 (3216)	B=X7R	104=10x10^4=100nF	K= ±10%	500=50 VDC	C=Cu/Ni/Sn	T=7" reeled

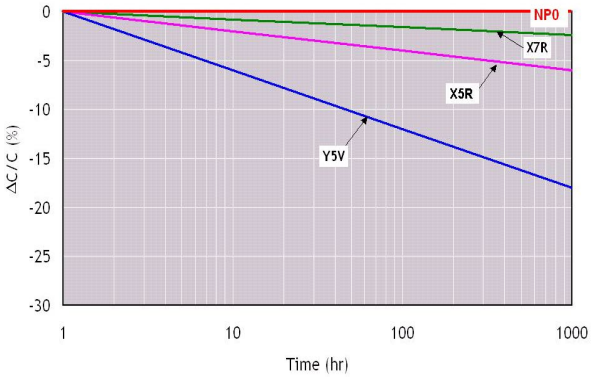
Please refer to page 2 "How to order" for more information.

■ ELECTRICAL CHARACTERISTICS

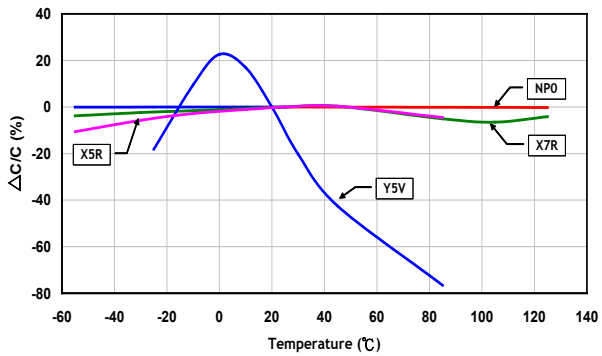
1) Frequency characteristics



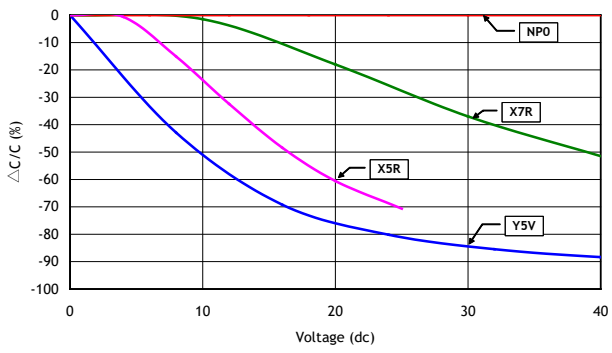
2) Capacitance Change - Typical aging rate



3) Temperature characteristics of capacitance (TCC)



4) DC Bias characteristics



All above typical electronic characteristics are for reference only.
Please contact with Walsin representative for detail information of any specific item.

■ CAPACITANCE RANGE

NP0 Dielectric

Dielectric		NP0																									
Size		0201			0402		0603		0805			1206			1210			1812		1825		2220		2225	
Rated Voltage (VDC)		10 16 25	50	100	10 16 25 50	100	10 16 25 50	100	10 16	25 50	100	10 16	25 50	100	10 16	25 50	100	10 16 25 50	100	50	100	50	100	50	100
Capacitance	0.1pF (0R1)	L*	L*	L*	N*	N*																					
	0.2pF (0R2)	L	L	L	N	N																					
	0.3pF (0R3)	L	L	L	N	N	S*																				
	0.4pF (0R4)	L	L	L	N	N	S*																				
	0.5pF (0R5)	L	L	L	N	N	S	S	A	A	A																
	0.6pF (0R6)	L	L	L	N	N	S	S	A	A	A																
	0.7pF (0R7)	L	L	L	N	N	S	S	A	A	A																
	0.8pF (0R8)	L	L	L	N	N	S	S	A	A	A																
	0.9pF (0R9)	L	L	L	N	N	S	S	A	A	A																
	1.0pF (1R0)	L	L	L	N	N	S	S	A	A	A																
	1.2pF (1R2)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	1.5pF (1R5)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	1.8pF (1R8)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	2.0pF (2R0)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	2.2pF (2R2)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	2.7pF (2R7)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	3.0pF (3R0)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	3.3pF (3R3)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	3.9pF (3R9)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	4.0pF (4R0)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	4.7pF (4R7)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	5.0pF (5R0)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	5.6pF (5R6)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	6.0pF (6R0)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	6.8pF (6R8)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	7.0pF (7R0)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	8.0pF (8R0)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	8.2pF (8R2)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	9.0pF (9R0)	L	L	L	N	N	S	S	A	A	A	B	B	B													
	10pF (100)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	12pF (120)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	15pF (150)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	18pF (180)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	22pF (220)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	27pF (270)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	33pF (330)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	39pF (390)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	47pF (470)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	56pF (560)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	68pF (680)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	82pF (820)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	100pF (101)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	120pF (121)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	150pF (151)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	180pF (181)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	220pF (221)	L	L	L	N	N	S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	270pF (271)	L			N		S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	330pF (331)	L			N		S	S	A	A	A	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	390pF (391)	L			N		S	S	B	B	B	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	470pF (471)	L			N		S	S	B	B	B	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	560pF (561)	L			N		S	S	B	B	B	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	680pF (681)				N		S	S	B	B	B	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	820pF (821)				N		S	S	B	B	B	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	1,000pF (102)				N		S	S	B	B	B	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	1,200pF (122)						X	X	B	B	B	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	1,500pF (152)						X	X	B	B	B	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	1,800pF (182)						X	X	B	B	B	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	2,200pF (222)						X		B	B	B	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	2,700pF (272)						X		D	D	D	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	3,300pF (332)						X		D	D	D	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	3,900pF (392)						X		D	D	D	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	4,700pF (472)						X		D	D	D	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	5,600pF (562)						X		D	D	D	B	B	B	C	C	C	D	D	K	K	K	K	K	K
	6,800pF (682)						X		D	D	D	C	C	C	C	C	C	D	D	K	K	K	K	K	K
	8,200pF (822)						X		D	D	D	D	D	D	C	C	C	D	D	K	K	K	K	K	K
	0.010uF (103)						X		D	D	D	D	D	D	C	C	C	D	D	K	K	K	K	K	K
	0.012uF (123)								D	D		P	P	P	D	D	D	D	D	K	K	K	K	K	K
	0.015uF (153)								D	D		P	P	P	D	D	D	D	D	K	K	K	K	K	K
	0.018uF (183)								D	D		P	P	P	K	K	K	D	D	K	K	K	K	K	K
	0.022uF (223)								D	D		P	P	P	K	K	K	D	D	K	K	K	K	K	K
	0.027uF (273)											P	P		K	K	K	D	D	K	K	K	K	K	K
	0.033uF (333)											P	P	T	K	K	K	D	D	K	K	K	K	K	K
	0.039uF (393)											P	P		K	K	K	M	M	K	K	K	K	K	K
	0.047uF (473)											P	P		K	K	K	M	M	K	K	K	K	K	K
	0.056uF (563)											P	P					M	M	K	K	K	K	K	K
	0.068uF (683)											P	P					M	M	K	K	K	K	K	K
	0.082uF (823)											P	P					M	M	K	M	M	M	K	K
	0.10uF (104)											P	P					M	M	M	M	M	M	K	M
	0.12uF (124)																								
	0.27uF (274)																								

* The letter in cell with " * " mark is expressed: "B" tolerance(±0.1pF) only

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 WTC local representative.

■ CAPACITANCE RANGE

X7R Dielectric

Dielectric		X7R																																							
Size		0201			0402					0603					0805				1206				1210					1812			1825	2220		2225	
Rated Voltage (VDC)		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	50 100	25 50	100	25 50	100
Capacitance	100pF (101)	L	L	L	N	N	N	N	N	S	S	S	S	S	B	B	B	B																						
	120pF (121)	L	L	L	N	N	N	N	N	S	S	S	S	S	B	B	B	B																						
	150pF (151)	L	L	L	N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B																	
	180pF (181)	L	L	L	N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B																	
	220pF (221)	L	L	L	N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B																	
	270pF (271)	L	L	L	N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B																	
	330pF (331)	L	L	L	N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B																	
	390pF (391)	L	L	L	N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B																	
	470pF (471)	L	L	L	N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B																	
	560pF (561)	L	L	L	N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B																	
	680pF (681)	L	L	L	N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B																	
	820pF (821)	L	L	L	N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B																	
	1,000pF (102)	L	L	L	N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	1,200pF (122)	L	L		N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	1,500pF (152)	L	L		N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	1,800pF (182)	L	L		N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	2,200pF (222)	L	L		N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	2,700pF (272)	L	L		N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	3,300pF (332)	L	L		N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	3,900pF (392)	L	L		N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	4,700pF (472)	L	L		N	N	N	N	N	S	S	S	S	S	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	5,600pF (562)	L	L		N	N	N	N		S	S	S	S	S	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	6,800pF (682)	L			N	N	N	N		S	S	S	S	S	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	8,200pF (822)	L			N	N	N	N		S	S	S	S	S	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	0.010uF (103)	L	L		N	N	N	N		S	S	S	S	S	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	0.012uF (123)				N	N	N	N		S	S	S	S	X	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	0.015uF (153)				N	N	N	N		S	S	S	S	X	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	0.018uF (183)				N	N	N	N		S	S	S	S	X	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	0.022uF (223)	L			N	N	N	N		S	S	S	S	X	B	B	B	B	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	0.027uF (273)				N	N	N	N		S	S	S	S	X	B	B	B	D	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	0.033uF (333)				N	N	N	N		S	S	S	X	X	B	B	B	D	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	0.039uF (393)				N	N	N	N		S	S	S	X	X	B	B	B	D	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	0.047uF (473)				N	N	N	N		S	S	S	X	X	B	B	B	D	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	0.056uF (563)				N	N	N	E		S	S	S	X	X	B	B	B	D	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	0.068uF (683)				N	N	N	E		S	S	S	X	X	B	B	B	D	B	B	B	B	C	C	C	C	C	D	D	D	K	K	K	K	K
	0.082uF (823)				N	N	N	E		S	S	S	X	X	B	B	B	D	B	B	B	D	C	C	C	C	C	D	D	D	K	K	K	K	K
	0.10uF (104)				N	N	N	E		S	S	S	X	X	B	B	B	D	B	B	B	C	C	C	C	C	C	D	D	D	K	K	K	K	K
	0.12uF (124)									S	S	X			B	B	B	I	B	B	B	D	C	C	C	C	C	D	D	D	K	K	K	K	K
	0.15uF (154)									S	S	X	X		D	D	D	I	C	C	C	G	C	C	C	C	D	D	D	D	K	K	K	K	K
	0.18uF (184)									S	S	X			D	D	D	I	C	C	C	G	C	C	C	C	D	D	D	D	K	K	K	K	K
	0.22uF (224)				N	N	N			S	S	X	X		D	D	D	I	C	C	C	G	C	C	C	C	D	D	D	D	K	K	K	K	K
	0.27uF (274)									X	X	X			D	D	I	I	C	C	D	G	C	C	C	C	G	D	D	D	K	K	K	K	K
	0.33uF (334)									X	X	X	X		D	D	I	I	C	C	D	G	C	C	C	D	G	D	D	D	K	K	K	K	K
	0.39uF (394)									X	X	X			D	D	I	I	C	J	P	G	C	C	C	D	M	D	D	D	K	K	K	K	K
	0.47uF (474)				N	N				X	X	X	X		D	D	I	I	J	J	P	G	C	C	C	D	M	D	D	K	K	K	K	K	K
	0.56uF (564)									X	X				D	D			J	J	P	P	D	D	D	D	M	D	D	K	K	K	K	K	K
	0.68uF (684)									X	X				D	D	I		J	J	P	P	D	D	D	D	K	D	K	K	K	K	K	K	K
	0.82uF (824)									X	X				D	D			J	J	P	P	D	D	D	D	K	D	K	K	K	K	K	K	K
	1.0uF (105)				N					X	X	X	X		D	D	I		J	J	P	P	D	D	D	D	K	D	K	K	K	K	K	K	K
	1.5uF (155)														I	I			J	P	P			G	G	M	M			K	K	K	K	K	K
	2.2uF (225)									X	X				I	I	I		J	P	P	P		G	G	M	M		M	M	K	K	K	K	K
	3.3uF (335)																		P	P				G	G	M					K	K	K	K	K
	4.7uF (475)									X					I	I			P	P	P		K	K	K	M	M				K	K	M	K	
	6.8uF (685)																															M	U	M	
	10uF (106)														I				P	P			K	K	K	M						U	U	U	
	22uF (226)																		P*				M	M	M										
	47uF (476)																						M												

1. The letter in cell is expressed the symbol of product thickness.
2. The letter in cell with " * " mark is expressed: "1206B226/16V:M tolerance"(20%) only".
3. For more information about products with special capacitance or other data, please contact WTC local representative.