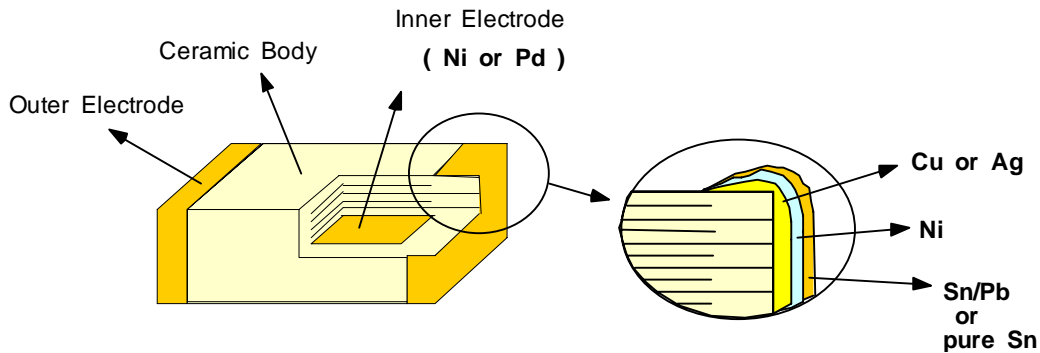


FEATURE



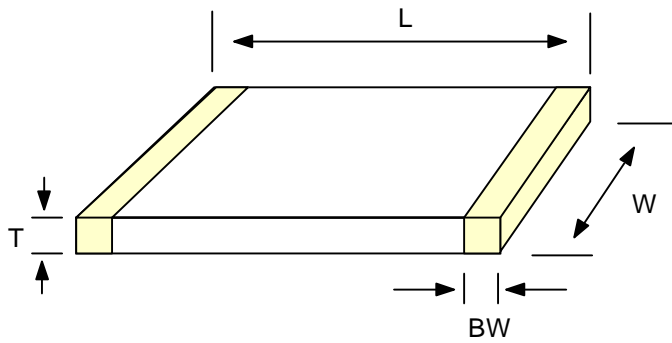
- Miniature Size
- Wide Capacitance, Temperature Compensation and Voltage Range
- Highly Reliable Performance
- Industry Standard Size
- Tape & Reel for Surface Mount Assembly

PART NUMBER CODE

CL 10 C 101 J B N C
 (1) (2) (3) (4) (5) (6) (7) (8)

- (1) SAMSUNG Multilayer Ceramic Chip Capacitor
- (2) Type(Size)
- (3) Capacitance Temperature Characteristics
- (4) Nominal Capacitance
- (5) Capacitance Tolerance
- (6) Rated Voltage
- (7) Chip thickness
 - **N : standard thickness**
 - **A : thinner than N**
 - **B : thicker than N**
 - **D : Pure Sn Plating**
- (8) Packaging Type

CONFIGURATION AND DIMENSIONS



CODE	EIA CODE	DIMENSION (mm)			
		L	W	T (MAX)	BW
03	0201	0.6 +/- 0.03	0.3 +/- 0.03	0.3 +/- 0.03	0.15 +/- 0.05
05	0402	1.0 +/- 0.05	0.5 +/- 0.05	0.5 +/- 0.05	0.2 +0.15/-0.1
10	0603	1.6 +/- 0.1	0.8 +/- 0.1	0.8 +/- 0.1	0.3 +/- 0.2
21	0805	2.0 +/- 0.1	1.25 +/- 0.1	1.25 +/- 0.1	0.5+0.2/-0.3
31	1206	3.2 +/- 0.2	1.6 +/- 0.2	1.6 +/- 0.2	0.5+0.2/-0.3
32	1210	3.2 +/- 0.3	2.5 +/- 0.2	2.5 +/- 0.2	0.6 +/- 0.3
43	1812	4.5 +/- 0.4	3.2 +/- 0.3	2.5 +/- 0.2	0.8 +/- 0.3
55	2220	5.7 +/- 0.4	5.0 +/- 0.3	2.5 +/- 0.3	1.0 +/- 0.3

CAPACITANCE TEMPERATURE CHARACTERISTIC

@ CLASS I (Temperature Compensation)

Symble	EIA Code	Temperature Coefficient(PPM/C)	* Temperature Characteristics	Operation Temperature Range
C	C0G(CH)	0 +/- 60	C Δ	-55 ~ +125C
P	P2H	-150 +/- 60	P Δ	
R	R2H	-220 +/- 60	R Δ	
S	S2H	-330 +/- 60	S Δ	
T	T2H	-470 +/- 60	T Δ	
U	U2J	-750 +/- 120	U Δ	
L	S2L	+350 ~ -1000	SL	

* Temperature Characteristics

Temperature Characteristics	below 2.0pF	2.2 ~ 3.9pF	above 4.0pF	above 10pF
C Δ	CK	CJ	CH	CG/CH
P Δ	PK	PJ	PH	PH
R Δ	RK	RJ	RH	RH
S Δ	SK	SJ	SH	SH
T Δ	TK	TJ	TH	TH
U Δ	UK	UJ	UJ	UJ

K : +/- PPM/c J : +/-120 PPM/c H : +/-60 PPM/c G : +/-30 PPM/c

CLASS II(High Dielectric Constant)

Symble	EIA Code	Capacitance Change (Δ C : %)	Operation Temperature Range
B	X7R	+/- 15	-55 ~ +125 C
F	Y5V	+22 ~ -82	-30 ~ +85 C

NOMINAL CAPACITANCE

The value of nominal capacitance is expressed in pico-Farad(pF) with a three-digit number.

The first two digits denote significant figures and the last digit denotes the multiple of 10 in pF.

For values below 1pF, the letter "R" is used as the decimal point and the last digit becomes significant.

example 100 = 10 x 10⁰ = 10pF
 222 = 22 x 10² = 2200pF
 020 = 2 x 10⁰ = 2pF
 1R5 = 1.5pF

CAPACITANCE TOLERANCE

Temperature Characteristics	Symbol	Tolerance	Applicable Capacitance & Range
COG(NPO) or T.C Series	B	+/- 0.1pF	0.5 ~ 3pF
	C	+/- 0.25pF	0.5 ~ 10pF
	D	+/- 0.5pF	
	F	+/- 1.0pF	
	F	+/- 1%	E-24 Series for over 10pF
	*G	+/- 2%	
	J	+/- 5%	
K	+/- 10%		
B(X7R)	J	+/- 5%	E-12 Series
	K	+/- 10%	
	M	+/- 20%	
F(Y5V)	Z	-20% ~ +80%	E-6 Series

Please Consult us for special tolerances. * : Option

RATED VOLTAGE

Symble	Rated Voltage(Vdc)
Q	6.3V
P	10V
O	16V
A	25V
B	50V
C	100V

PACKAGING TYPE

Symbol	Packaging	Symbol	Packaging
B	Bulk	D	Cardboard Tape, 13" Reel
P	Cassette	L	Cardboard Tape, 13" Reel
C	Cardboard Tape, 7" Reel	E	Embossed Tape, 7" Reel
O	Cardboard Tape, 10" Reel	F	Embossed Tape, 13" Reel

STANDARD CAPACITANCE STEP

Series	Capacitance Step											
E- 3	1.0				2.2				4.7			
E- 6	1.0	1.5	2.2	3.3	4.7	6.8						
E-12	1.0	1.2	1.5	1.8	2.2	2.7	3.3	3.9	4.7	5.6	6.8	8.2
E-24	1.0	1.2	1.5	1.8	2.2	2.7	3.3	3.9	4.7	5.6	6.8	8.2
	1.1	1.3	1.6	2.0	2.4	3.0	3.6	4.3	5.1	6.2	7.5	9.1

Standard Capacitance is " Each step * 10ⁿ"

Multilayer Chip Capacitors - General

CAPACITANCE RANGE

CLASS I

Temperature Characteristics	Size	Voltage	Capacitance Range (pF)										
			0.5	10	100	1000	10000	100000	1000000	10000000			
SL,UJ	05 (0402)	50 V	██████████		240								
		50 V	████████████████████			1000							
	10 (0603)	100V	██████████████████			680							
		50 V	██████████████████████████				2700						
	21 (0805)	100V	██████████████████			1000							
		50 V	██████████████████████████████					8200					
C(COG) & TC Series	03 (0201)	16 V	██████████		100								
		25 V	██████████		68								
	05 (0402)	25 V	██████████████			220							
		50 V	██████████████			150							
	10 (0603)	25 V	████████████████████				1000						
		50 V	████████████████████				1000						
		100V	██████████████			300							
	21 (0805)	50 V	██████████████████████████				2200						
		100V	██████████████████████████				1200						
	31 (1206)	25 V				1500	██████████		10000				
		50 V	██████████████████████████				4700						
		100V	██████████████████████████				5100						
	32 (1210)	50 V			560	██████████████████			47000				
		100V				2200	██████████		18000				
	43 (1812)	50V				1000	██████████████████			68000			
		100V				1000	██████████████████			36000			

Multilayer Chip Capacitors - General

CLASS II , B(X7R)

Temperature Characteristics	Size	Voltage	Capacitance Range (pF)								
			10	100	1000	10000	100000	1000000	10000000		
B(X7R)	03 (0201)	16 V			1500	████████	10000				
		25 V		100	████████	1000					
	05 (0402)	10 V		100	████████████████████		100000				
		16 V		100	████████████████████		68000				
		25 V		100	████████████████████		10000				
	10 (0603)	50 V		100	████████		4700				
		6.3V					100000	████████	1000000		
		10 V		100	████████████████████		470000				
		16 V		100	████████████████████		220000				
		25 V		100	████████████████████		100000				
	21 (0805)	50 V		100	████████████████████		68000				
		100 V		100	████████		4700				
		6.3V					2200000	████████	4700000		
		10 V		100	████████████████████		1000000				
		16 V		100	████████████████████		1000000				
		25 V		100	████████████████████		330000				
	31 (1206)	50 V		100	████████████████████		100000				
		100 V		100	████████████████████		33000				
		6.3V					4700000	████████	10000000		
		10 V		1000	████████████████████		4700000				
		16 V		1000	████████████████████		3300000				
		25 V		1000	████████████████████		1000000				
	32 (1210)	50 V		1000	████████████████████		470000				
		100 V		1000	████████████████████		150000				
		6.3V					10000000	████████	22000000		
		10 V		1000	████████████████████		10000000				
		16 V		1000	████████████████████		10000000				
		25 V		1000	████████████████████		1000000				
	43 (1812)	50 V		1000	████████████████████		470000				
		100 V		1000	████████████████████		430000				
		10V					10000000	████████	22000000		
		16V					1000000	████████	10000000		
		25V					1000000	████████	4700000		
50V			10000	████████████████████		3300000					
100 V			10000	████████████████████		820000					

Multilayer Chip Capacitors - General

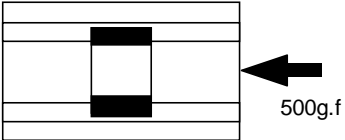
CLASS II , F(Y5V)

Temperature Characteristics	Size	Voltage	Capacitance Range (pF)								
			10	100	1000	10000	100000	1000000	10000000	100000000	
F(Y5V)	05 (0402)	10 V			2200	██████████	██████████	220000			
		16 V			2200	██████████	██████████	220000			
		25 V			2200	██████████	██████████	33000			
		50 V			2200	██████████	██████████	10000			
	10 (0603)	10 V			2200	██████████	██████████	██████████	1000000		
		16 V			2200	██████████	██████████	██████████	470000		
		25 V			2200	██████████	██████████	██████████	330000		
		50 V			2200	██████████	██████████	██████████	100000		
	21 (0805)	10 V						1000000	██████████	4700000	
		16 V			10000	██████████	██████████	██████████	2200000		
		25 V			10000	██████████	██████████	██████████	1000000		
		50 V			10000	██████████	██████████	██████████	470000		
	31 (1206)	10 V				100000	██████████	██████████	██████████	10000000	
		16 V			10000	██████████	██████████	██████████	4700000		
		25 V			10000	██████████	██████████	██████████	3300000		
		50 V			10000	██████████	██████████	██████████	680000		
	32 (1210)	10 V						10000000	██████████	22000000	
		16 V				100000	██████████	██████████	██████████	10000000	
		25 V				100000	██████████	██████████	██████████	3300000	
		50 V				100000	██████████	██████████	1000000		
55 (2220)	10V								██████████	100000000	

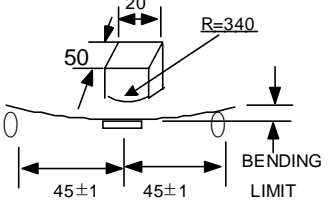
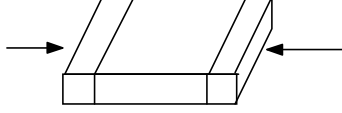
Multilayer Chip Capacitors - General

RELIABILITY AND TEST CONDITIONS

NO	ITEM	PERFORMANCE	TEST CONDITION										
1	APPEARANCE	NO ABNORMAL EXTERIOR APPEARANCE	THROUGH MICROSCOPE($\times 10$)										
2	INSULATION RESISTANCE	10,000 Ω OR 500 $\Omega \cdot \mu\text{F}$ PRODUCT WHICHEVER IS SMALLER(RATED VOLTAGE IS BELOW 16V : 10,000 Ω OR 100 $\Omega \cdot \mu\text{F}$)	RATED VOLTAGE SHALL BE APPLIED. MEASUREMENT TIME IS 60 ~ 120 RATED VOLTAGE TIME 60 SEC.										
3	WITHSTANDING VOLTAGE	NO DIELECTRIC BREAKDOWN OR MECHANICAL BREAKDOWN	CLASS I : 300% OF THE RATED VOLTAGE FOR 1-5 SEC. CLASS II : 250% OF THE RATED VOLTAGE FOR 1-5 SEC IS APPLIED WITH LESS THAN 50mA CURRENT										
4	CAPACITANCE	CLASS I WITHIN THE SPECIFIED TOLERANCE	CAPACITANCE	FREQUENCY	VOLTAGE								
			1,000 μF AND BELOW	1kHz $\pm 10\%$	0.5 ~ 5 Vrms								
		MORE THAN 1,000 μF	1kHz $\pm 10\%$										
		CLASS II WITHIN THE SPECIFIED TOLERANCE	CAPACITANCE	FREQUENCY	VOLTAGE								
22 μF AND BELOW	1kHz $\pm 10\%$		1.0 \pm 0.2Vrms										
		MORE THAN 22 μF	120Hz $\pm 20\%$	0.5 \pm 0.1Vrms									
5	Q	CLASS I OVER 30 μF : Q $\geq 1,000$ LESS THAN 30 μF : Q ≥ 400 +20C (C : CAPACITANCE)	CAPACITANCE	FREQUENCY	VOLTAGE								
			1,000 μF AND BELOW	1kHz $\pm 10\%$	0.5 ~ 5 Vrms								
			MORE THAN 1,000 μF	1kHz $\pm 10\%$									
6	Tan δ	CLASS II	CHAR	50V AND OVER	25V AND OVER	16V	10V	6.3V	CAPACITANCE	FREQUENCY	VOLTAGE		
			B	0.025 MAX	0.025 MAX	0.035 MAX	0.05 MAX	0.05 MAX	22 μF AND BELOW	1kHz $\pm 10\%$	1.0 \pm 0.2Vrms		
			F	0.05 MAX	C < 1 μF 0.07(MAX) C \geq 1 μF 0.09(MAX)	Reference For*	0.125 MAX	0.16 MAX	MORE THAN 22 μF	120Hz $\pm 20\%$	0.5 \pm 0.1Vrms		
			Reference For*	16V									
			SIZE	CAPACITANCE		SPEC							
			1005 AND BELOW	-		0.09 (MAX)							
			1608	C < 470nF		0.07 (MAX)							
				C \geq 470nF		0.09 (MAX)							
			2012 AND OVER	C < 1 μF		0.07 (MAX)							
				C \geq 1 μF		0.09 (MAX)							

	NO INDICATION OF PEELING SHALL OCCUR ON THE TERMINAL ELECTRODE.			<p>A 500g.f PRESSURE SHALL BE APPLIED FOR 10\pm1 SECOND.</p> 
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Multilayer Chip Capacitors - General

NO	ITEM	PERFORMANCE	TEST CONDITION									
8	APPEARANCE	NO MECHANICAL DAMAGE SHALL OCCUR.	BENDING SHALL BE APPLIED TO THE LIMIT(1mm) WITH 0.3mm/SEC. 									
	BENDING STRENGTH	CHARACTER		CHANGE OF CAPACITANCE								
		CAPACITANCE		CLASS I	WITHIN +/-5% OR +/- 0.5 pF WHICHEVER IS LARGER							
				CLASS II	<table border="1"> <tr> <td>B(X7R)</td> <td>WITHIN +/-12.5%</td> </tr> <tr> <td>F</td> <td>WITHIN +/-30%</td> </tr> </table>	B(X7R)	WITHIN +/-12.5%	F	WITHIN +/-30%			
B(X7R)	WITHIN +/-12.5%											
F	WITHIN +/-30%											
9	SOLDERABILITY	MORE THAN 95% OF THE TERMINAL SURFACE IS TO BE SOLDERED NEWLY, SO METAL PART(A) DOES NOT COME OUT OR DISSOLVE 	SOLDER TEMPERATURE : 230+/-5c SOLDER : H63A FLUX : ROSIN PRE-HEATING : AT 80-120c FOR 10-30SEC.									
10	APPEARANCE	NO MECHANICAL DAMAGE SHALL OCCUR	DIP : SOLDER TEMPERATURE OF 270+/-5c DIP TIME : 10+/-1 SEC. EACH TERMINATION SHALL BE FULLY IMMERSED AND PREHEATED AS FOLLOWING: <table border="1" data-bbox="997 1209 1332 1355"> <thead> <tr> <th>STEP</th> <th>TEMP.(C)</th> <th>TIME (SEC.)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>80~100</td> <td>60</td> </tr> <tr> <td>2</td> <td>150~180</td> <td>60</td> </tr> </tbody> </table> MEASURE AT ROOM TEMP. AFTER COOLING FOR CLASS I : 24 +/- 2 HOURS CLASS II : 48 +/- 4 HOURS	STEP	TEMP.(C)	TIME (SEC.)	1	80~100	60	2	150~180	60
	STEP	TEMP.(C)		TIME (SEC.)								
	1	80~100		60								
	2	150~180		60								
	RESISTANCE TO SOLDERING HEAT	CAPACITANCE		CHARACTERISTIC	CAP. CHANGE							
				CLASS I	WITHIN +/-2.5% OR +/-0.25pF WHICHEVER IS LARGER							
				CLASS II	<table border="1"> <tr> <td>B</td> <td>WITHIN +/-7.5%</td> </tr> <tr> <td>F</td> <td>WITHIN +/-20%</td> </tr> </table>	B	WITHIN +/-7.5%	F	WITHIN +/-20%			
	B	WITHIN +/-7.5%										
F	WITHIN +/-20%											
Q	CLASS I : 30pF AND OVER : Q>= 1000 LESS THAN 30pF : Q>= 400+20°C											
Tan delta	CLASS II	TO SATISFY THE SPECIFIED INITIAL VALUE										
INSULATION RESISTANCE	TO SATISFY THE SPECIFIED INITIAL VALUE											
WITHSTANDING VOLTAGE	TO SATISFY THE SPECIFIED INITIAL VALUE											

Multilayer Chip Capacitors – General





















NO	ITEM	PERFORMANCE	TEST CONDITION					
11	VIBRATION TEST	APPEARANCE	NO MECHANICAL DAMAGE SHALL OCCUR.	THE CAPACITOR SHALL BE SUBJECTED TO A HARMONIC MOTION HAVING A TOTAL AMPLITUDE OF 1.5mm. THE ENTIRE FREQUENCY RANGE, FROM 10 TO 55Hz AND RETURN TO 10Hz, SHALL BE TRAVERSED IN 1 MINUTE. THIS CYCLE SHALL BE PERFORMED 2 HOURS IN EACH THERE MUTUALLY PERPENDICULAR DIRECTION, FOR TOTAL PERIOD OF 6 HOURS.				
		CAPACITANCE	CHARACTERISTIC		CAP. CHANGE			
			CLASS I		WITHIN +/-2.5% OR +/-0.25pF WHICHEVER IS LARGER			
			CLASS II		<table border="1"> <tr> <td>B</td> <td>WITHIN +/-5%</td> </tr> <tr> <td>F</td> <td>WITHIN +/-20%</td> </tr> </table>	B	WITHIN +/-5%	F
		B	WITHIN +/-5%					
		F	WITHIN +/-20%					
		Q CLASS I	30pF AND OVER : Q>= 1000 LESS THAN 30pF : Q>= 400+20°C					
Tan delta CLASS II	TO SATISFY THE SPECIFIED INITIAL VALUE							
INSULATION RESISTANCE	TO SATISFY THE SPECIFIED INITIAL VALUE							
12	HUMIDITY (STEADY STATE)	APPEARANCE	NO MECHANICAL DAMAGE SHALL OCCUR	TEMPERATURE : 40+/-2C RELATIVE HUMIDITY : 90-95 %RH TEST TIME : 500 +12/-0 Hr. MEASURE AT ROOM TEMPERATURE AFTER COOLING FOR CLASS I : 24+/-2 Hr. CLASS II : 48+/-4 Hr.				
		CAPACITANCE	CHARACTERISTIC		CAPACITANCE CHANGE			
			CLASS I		WITHIN +/-5% OR +/-0.5pF WHICHEVER IS LARGER			
			CLASS II		<table border="1"> <tr> <td>B</td> <td>WITHIN +/-12.5%</td> </tr> <tr> <td>F</td> <td>WITHIN +/-30%</td> </tr> </table>	B	WITHIN +/-12.5%	F
		B	WITHIN +/-12.5%					
		F	WITHIN +/-30%					
		Q CLASS I	30pF AND OVER : Q>= 350 10 ~30pF : Q>= 275 + 2.5°C LESS THAN 10pF : Q>= 200 + 10°C					
Tan delta CLASS II	Char.	25V and over	16V	10V	6.3V			
	B	0.05 MAX	0.05 MAX	0.05 MAX	0.075 MAX			
	F	0.075 MAX	0.1 MAX (C<1.0uF) 0.125 MAX (C>=1.0uF)	0.15 MAX	-			
INSULATION RESISTANCE	MINIMUM INSULATION RESISTANCE: 1,000 Mohm OR 50Mhm*uF PRODUCT WHICHEVER IS SMALLER							

* THE INITIAL VALUE OF HIGH DIELECTRIC CONSTANT SERIES SHALL BE MEASURED AFTER THE HEAT TREATMENT OF 150 +/-10C, 1hr AND SITTING OF 48+/-4hr AT ROOM TEMPERATURE & ROOM HUMIDITY.

Multilayer Chip Capacitors – General

NO	ITEM	PERFORMANCE	TEST CONDITION		
13	APPEARANCE	NO MECHANICAL DAMAGE SHALL OCCUR	APPLIED VOLTAGE : RATED VOLTAGE TEMPERATURE : 40+/-2 C RELATIVE HUMIDITY : 90-95%RH TEST TIME : 500 +12/-0 Hr. CURRENT APPLIED : 50mA MAX. MEASURING AT ROOM TEMPERATURE AFTER COOLING FOR CLASS I : 24+/-2 Hr. CLASS II : 48+/-4 Hr.		
	CAPACITANCE	CHARACTERISTIC		CAPACITANCE CHANGE	
		CLASS I		WITHIN +/-7.5% OR +/-0.75pF WHICHEVER IS LARGER	
		CLASS II		B	WITHIN +/-12.5%
		F		WITHIN +/-30%	
	Q CLASS I	30pF AND OVER : Q>= 200 30pF AND BELOW : Q>= 100 + 10/3°C			
Tan delta CLASS II	Char.	25V and over	16V	10V	6.3V
	B	0.05 MAX	0.05 MAX	0.05 MAX	0.075 MAX
	F	0.075 MAX	0.1 MAX (C <1.0uF) 0.125 MAX (C>=1.0uF)	0.15 MAX	-
INSULATION RESISTANCE	MINIMUM INSULATION RESISTANCE: 500 Mohm OR 25Mohm*uF PRODUCT, WHICHEVER IS SMALLER.				
14	APPEARANCE	NO MECHANICAL DAMAGE SHALL OCCUR	APPLIED VOLTAGE : 200% OF RATED VOLTAGE TEST TIME : 1000 +48/-0 Hr. CURRENT APPLIED : 50mA MAX.		
	CAPACITANCE	CHARACTERISTIC		CAP. CHANGE	
		CLASS I		WITHIN +/-3% OR +/-0.3pF, WHICHEVER IS LARGER	
		CLASS II		B	WITHIN +/-12.5%
		F		WITHIN +/-30%	
	Q CLASS I	30pF AND OVER : Q >= 350 10 ~ 30 pF : Q >= 275 + 2.5°C LESS THAN 10pF : Q >=200 + 10°C			
Tan delta CLASS II	Char.	25V over	16V	10V	6.3V
	B	0.05 MAX	0.05 MAX	0.05 MAX	0.075 MAX
	F	0.075 MAX	0.1 MAX (C <1.0uF) 0.125 MAX (C>=1.0uF)	0.15 MAX	-
INSULATION RESISTANCE	MINIMUM INSULATION RESISTANCE: 1,000 Mohm OR 50Mohm*uF PRODUCT WHICHEVER IS SMALLER				
		CHAR.	TEMP.		
		CLASS I	125 +/--3 C		
		CLASS II	B	125 +/--3 C	
		F	85 +/--3 C		

Multilayer Chip Capacitors – General

NO	ITEM		PERFORMANCE		TEST CONDITION		
15	TEMPERATURE CYCLE	APPEARANCE	NO MECHANICAL DAMAGE SHALL OCCUR		CAPACITORS SHALL BE SUBJECTED TO FIVE CYCLES OF THE TEMPERATURE CYCLE AS FOLLOWING		
		CAPACITANCE	CHARACTERISTIC	CAP. CHANGE			
			CLASS I	WITHIN $\pm 2.5\%$ OR $\pm 0.25 \mu\text{F}$ WHICHEVER IS LARGER			
			CLASS II	B WITHIN $\pm 7.5\%$ F WITHIN $\pm 20\%$			
		Q CLASS I	30 μF AND OVER : $Q \geq 1000$ LESS THAN 30 μF : $Q \geq 400 + 20 \times C$		STEP	TEMP.($^{\circ}\text{C}$)	TIME (MIN)
		Tan δ CLASS II	TO SATISFY THE SPECIFIED INITIAL VALUE		1	MIN. RATED TEMP. +0/-3	30
		INSULATION RESISTANCE	TO SATISFY THE SPECIFIED INITIAL VALUE		2	25	2-3
				3	MAX. RATED TEMP. +3/-0	30	
				4	25	2-3	
MEASURE AT ROOM TEMPERATURE AFTER COOLING FOR CLASS I : 24 \pm 2 Hr. CLASS II : 48 \pm 4 Hr.							
Recommend Method of Soldering							
16	SOLDERING GROUP BY SIZE&CAP	SIZE(mm)	CHAR	CAPACITANCE	CONDITION		
					FLOW	REFLOW	
		0603	-	-	-		
		1005	-	-	-		
		1608	B	-			
			F	$C < 1 \mu\text{F}$			
			F	$C \geq 1 \mu\text{F}$	-		
		2012	B	-			
			F	$C < 4.7 \mu\text{F}$			
			F	$C \geq 4.7 \mu\text{F}$	-		
		3216	B	-			
			F	$C < 10 \mu\text{F}$			
			F	$C \geq 10 \mu\text{F}$	-		
3225	-	-	-				
4532	-	-	-				
5750	-	-	-				

※ When Solderability Is Considered, Capacitors Are Recommended To Be Used In 12 Months.