

# CERAMIC CAPACITOR CATALOG

SCC Series
Commerical grade
Safety Capacitors
X2, X1Y2

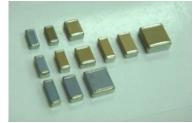
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# Multilayer Ceramic Chip Capacitors [ Safety Capacitors – X2 and X1/Y2 ]

## **SCC** Series Rated up to 305Vac





The SCC series X2 and X1/Y2 rated at 250Vrms and X2 rated at 305Vrms safety capacitors are designed specifically for use in modem, facsimile, telephone and other electronic equipment. These parts are compliant to , IEC60384-14 and UL60950-1 and UL60384-14 standards. These capacitors are available in NP0 (C0G) and X7R dielectrics.

### ◆ Features

- ☐ Small size & high capacitance
- ☐ Suitable for reflow soldering
- Surface mount
- ☐ Safety standard approval by IEC60384-14 and UL 60950-1 and UL60384-14
- ☐ RoHS compliant and Lead(Pb) free option
- ☐ Certified to:

TUV R50005234, R50103496 & UL E229738

TUV R50162550 & UL E300818

& UL E229738 for Lead(Pb) free

### **◆** Applications

☐ The X2 and X1/Y2 (250Vrms) and X2-(305Vrms) are specially designed for use in Modem, Facsimile, Telephone and other telecommunication equipment, electronic equipment for lighting and surge protection, EMI filtering and Isolation.

### **♦** Safety Details of Specifications

IEC 60384-14: 2013, 4 <sup>th</sup> Edition	Meets the electrical requirements and certification for equipment requiring Class
EN 60384-14: 2013, 4 <sup>th</sup> Edition	X1/Y2 and X2 devices.
UL 60384-14:2014, 2 <sup>nd</sup> Edition	Component certified for equipment requiring UL-60384-14 compliance
UL 60950-1:2007, 2 <sup>nd</sup> Edition	TNV/SELV isolation capacitors certified To UL 60950-1

### ♦ How To Order

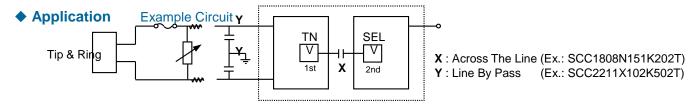
SCC	1808	X	102	K	502	Т	S
Product Code SCC: Safety Approved MLCC	Ex.: 1808 1812 2208 2211 2220 2825	Dielectric Ex.: N: NP0 X: X7R	Capacitance Unit: pF Ex.: 2R0:2.0pF 100:10×10° 471:47×10¹ 182:18×10²	Tolerance Ex.: J:+/-5% K:+/-10% M:+/-20%	Class  Ex.: 202: X2 252: X2 (305Vrms) 502: X1/Y2 602: X1/Y2 for SCC2208N, SCC2211N, SCC2220N	Packaging T: T/R 7" R: T/R 13" B: Bulk	Special Requirement Ex.: S: Arc Prevention Coating X: Polymer Termination (Super Term) Z: Arc Prevention Coating & Polymer Termination (Super Term) G: Lead (Pb) Free





### **♦** Summary of Specifications

Rated Voltage	AC 250Vrms and AC 305Vrms
Tomporature Coefficient	NP0: < $30$ ppm/ $^{\circ}$ C , -55 $^{\circ}$ C ~ +125 $^{\circ}$ C (EIA Class I)
Temperature Coefficient	X7R: $< \pm 15\%$ , $-55 ^{\circ}$ $\sim +125 ^{\circ}$ (EIA Class ${\rm II}$ )
	X1/Y2: 2.0pF ~ 4700pF
Capacitance Range	X2 - 250Vrms: 2pF ~ 56nF X2 - 305Vrms: 150pF ~ 33nF
Quality and Dissipation Factor	NP0:Q≥1000 , X7R:D.F.≤2.5%
Climatic Category	55/125/21
Insulation Resistance	10GΩ
Voltage Proof	X Capacitor: Applied Voltage 1075Vdc(4.3Ur),1312Vdc(4.3Ur) Y Capacitor: Applied Voltage 1500Vac
Impulse	X2: 2.5KV, Y2: 5KV for three times
Aging	NP0:0 % , X7R: 1.0 % per decade hr., typical



### **Capacitance Range**

250Vrms			
Class	Siza	Temperature	

	1			T	Considered Bongs
Class	Size	Temperature	Rated	Certificate	Capacitance Range
Class	SIZE	Characteristic	Voltage	Certilicate	88888888888888888888888888888888888888
	1808	NP0	250Vrms	TUV/UL	
X2	1808	X7R	250Vrms	TUV/UL	
	1812	X7R	250Vrms	TUV/UL	
	1808	NP0	250Vrms	TUV/UL	
	1808	X7R	250Vrms	TUV/UL	
	1812	NP0	250Vrms	TUV/UL	
	1812	X7R	250Vrms	TUV/UL	
X1/Y2	2208	NP0	250Vrms	TUV/UL	
	2208	X7R	250Vrms	TUV/UL	
	2211	NP0	250Vrms	TUV/UL	
	2211	X7R	250Vrms	TUV/UL	
	2220	NP0	250Vrms	TUV/UL	
	2220	X7R	250Vrms	TUV/UL	
	Tempera		Rated		Capacitance Range
Class	Size	Characteristic	Voltage	Certificated	10
X2	2220	X7R	250Vrms	TUV/UL	
ΛZ	2825	X7R	250Vrms	UL	

'X' denotes values that have been tested to a rated voltage of 305Vac. TUV test report number 28208004 dated 27th May 2010

305Vrms						
		Temperature	Rated		Capacitance Range	
Class	Size	Characteristic	Voltage		4 32722222222222222222222222222222222222	473 563
X2	2220	X7R	305Vrms	TUV/UL		I





					Catalog Number	
Cap.	Size	Thickness	Cap.	X2	X1/Y2	X1/Y2 250Vrms
•			Tol.	250Vrms	250Vrms	2208N, 2211N,2220N
	1000	D/1.25+-0.15mm	J	SCC1808N2R0J202T		· · ·
	1808	F/2.0+-0.2mm	J		SCC1808N2R0J502T	
2R0	1812	F/2.0+-0.2mm	J		SCC1812N2R0J502T	
(2pF)	2208	D/1.25+-0.15mm	J			SCC2208N2R0J602T
		D/1.25+-0.15mm	J			SCC2211N2R0J602T
	2220	D/1.25+-0.15mm	J			SCC2220N2R0J602T
	1808	D/1.25+-0.15mm	J	SCC1808N5R0J202T		
	1000	F/2.0+-0.2mm	J		SCC1808N5R0J502T	
5R0	1812	F/2.0+-0.2mm	J		SCC1812N5R0J502T	
(5pF)	2208	D/1.25+-0.15mm	J			SCC2208N5R0J602T
	2211	D/1.25+-0.15mm	J			SCC2211N5R0J602T
	2220	D/1.25+-0.15mm	J			SCC2220N5R0J602T
	1808	D/1.25+-0.15mm	J	SCC1808N6R8J202T		
	1000	F/2.0+-0.2mm	J		SCC1808N6R8J502T	
6R8	1812	F/2.0+-0.2mm	J		SCC1812N6R8J502T	
(6.8pF)	2208	D/1.25+-0.15mm	J			SCC2208N6R8J602T
	2211	D/1.25+-0.15mm	J			SCC2211N6R8J602T
	2220	D/1.25+-0.15mm	J			SCC2220N6R8J602T
-	1808	D/1.25+-0.15mm	J	SCC1808N8R2J202T		
		F/2.0+-0.2mm	J		SCC1808N8R2J502T	
8R2	1812	F/2.0+-0.2mm	J		SCC1812N8R2J502T	
(8.2pF)		D/1.25+-0.15mm	J			SCC2208N8R2J602T
	2211	D/1.25+-0.15mm	J			SCC2211N8R2J602T
	2220	D/1.25+-0.15mm	J			SCC2220N8R2J602T
	1808	D/1.25+-0.15mm	J	SCC1808N100J202T		
		F/2.0+-0.2mm	J		SCC1808N100J502T	
100		F/2.0+-0.2mm	J		SCC1812N100J502T	
(10pF)		D/1.25+-0.15mm	J			SCC2208N100J602T
		D/1.25+-0.15mm	J			SCC2211N100J602T
	2220	D/1.25+-0.15mm	J			SCC2220N100J602T
	1808	D/1.25+-0.15mm	J	SCC1808N120J202T		
		F/2.0+-0.2mm	J		SCC1808N120J502T	
120		F/2.0+-0.2mm	J		SCC1812N120J502T	
(10pF)		D/1.25+-0.15mm	J			SCC2208N120J602T
		D/1.25+-0.15mm	J			SCC2211N120J602T
	2220	D/1.25+-0.15mm	J			SCC2220N120J602T
	1808	D/1.25+-0.15mm	J	SCC1808N150J202T		
		F/2.0+-0.2mm	J		SCC1808N150J502T	
150		F/2.0+-0.2mm	J		SCC1812N150J502T	
(15pF)		D/1.25+-0.15mm	J			SCC2208N150J602T
		D/1.25+-0.15mm	J			SCC2211N150J602T
	2220	D/1.25+-0.15mm	J			SCC2220N150J602T





					Catalog Number	
Cap.	Size	Thickness	Cap.	X2	X1/Y2	X1/Y2 250Vrms
<b>C</b> ap.	0.20		Tol.	250Vrms	250Vrms	2208N, 2211N,2220N
		D/1 25+-0 15mm	J	SCC1808N180J202T	230 711113	220014, 221114,222014
	1808	D/1.25+-0.15mm F/2.0+-0.2mm		30010001110072021	SCC1808N180J502T	
180	1012	F/2.0+-0.2mm			SCC1808N180J502T	
		D/1.25+-0.15mm			3CC1012IV100J3021	CCC2200N1100IC02T
(18pF)		•				SCC2208N180J602T
		D/1.25+-0.15mm	J			SCC2211N180J602T
		D/1.25+-0.15mm	<u></u>	00010001000		SCC2220N180J602T
	1808	D/1.25+-0.15mm F/2.0+-0.2mm	<u>J</u>	SCC1808N220J202T	CCC1000N12201F02T	
220			J		SCC1808N220J502T	
220		F/2.0+-0.2mm	<u></u>		SCC1812N220J502T	CCCCCOONICCOCT
(22pF)		D/1.25+-0.15mm				SCC2208N220J602T
		D/1.25+-0.15mm	J			SCC2211N220J602T
-		D/1.25+-0.15mm	J	SCC1808N270J202T		SCC2220N220J602T
	1808	D/1.25+-0.15mm F/2.0+-0.2mm		3CC10U0INZ/UJZUZI	SCC1808N270J502T	
270	1012	F/2.0+-0.2mm			SCC1808N270J302T	
(27pF)		D/1.25+-0.15mm			30010121127033021	SCC2208N270J602T
(27 pr)		D/1.25+-0.15mm	J			SCC2206N270J002T SCC2211N270J602T
		D/1.25+-0.15mm				SCC2221N270J602T
	2220	D/1.25+-0.15mm		SCC1808N330J202T		30022201127030021
	1808	F/2.0+-0.2mm		30010001133032021	SCC1808N330J502T	
330	1812	F/2.0+-0.2mm	<del></del>		SCC1812N330J502T	
(33pF)		D/1.25+-0.15mm	J		30010121103033021	SCC2208N330J602T
(000.)		D/1.25+-0.15mm	J			SCC2211N330J602T
	2220	E/1.6+-0.2mm	J			SCC2220N330J602T
	1000	D/1.25+-0.15mm	J	SCC1808N360J202T		
	1808	F/2.0+-0.2mm	J		SCC1808N360J502T	
360	1812	F/2.0+-0.2mm	J		SCC1812N360J502T	
(36pF)		D/1.25+-0.15mm	J			SCC2208N360J602T
·	2211	D/1.25+-0.15mm	J			SCC2211N360J602T
		E/1.6+-0.2mm	J			SCC2220N360J602T
	1808	D/1.25+-0.15mm F/2.0+-0.2mm	J	SCC1808N390J202T		
			J		SCC1808N390J502T	
390		F/2.0+-0.2mm	J		SCC1812N390J502T	
(39pF)		D/1.25+-0.15mm	J			SCC2208N390J602T
		D/1.25+-0.15mm	J			SCC2211N390J602T
	2220	E/1.6+-0.2mm	<u>J</u>	0001000117010007		SCC2220N390J602T
	1808	D/1.25+-0.15mm	<u>J</u>	SCC1808N470J202T	CCC1000N14701F00T	
470	1010	F/2.0+-0.2mm	J		SCC1808N470J502T	
470		F/2.0+-0.2mm			SCC1812N470J502T	CCC2200NI470IC02T
(47pF)		D/1.25+-0.15mm	J			SCC2208N470J602T
	1	D/1.25+-0.15mm E/1.6+-0.2mm	J			SCC2211N470J602T
		D/1.25+-0.15mm	J	SCC1808N560J202T		SCC2220N470J602T
	1808	F/2.0+-0.2mm	J	2CCT000IN2001Z0Z	SCC1808N560J502T	
560	1812	F/2.0+-0.2mm	J		SCC1808N360J302T	
(56pF)		D/1.25+-0.15mm			30010121130033021	SCC2208N560J602T
(30bi)		D/1.25+-0.15mm				SCC2208N3003002T SCC2211N560J602T
		E/1.6+-0.2mm				SCC2221N300J002T SCC2220N560J602T
	2220	L, 1.0 · 0.211111	,			30022201430030021





					Catalog Number	
Cap.	Size	Thickness	Cap.	X2	X1/Y2	X1/Y2 250Vrms
cap.	3120	THICKITCSS	Tol.	250Vrms	250Vrms	2208N, 2211N,2220N
		D/1 2F : 0.1Fmama	- 1		230 11113	220811, 221111,222011
	1808	D/1.25+-0.15mm		SCC1808N680J202T	CCC1000NC00IF03T	
680	1012	F/2.0+-0.2mm			SCC1808N680J502T	
		F/2.0+-0.2mm			SCC1812N680J502T	CCCCCOONICOOLCOCT
(68pF)		D/1.25+-0.15mm	<u>_</u>			SCC2208N680J602T
		D/1.25+-0.15mm	<u>J</u>			SCC2211N680J602T
	2220	E/1.6+-0.2mm	<u>J</u>	CCC1000NI020I202T		SCC2220N680J602T
	1808	D/1.25+-0.15mm		SCC1808N820J202T	CCC1000N020JE02T	
020	1010	F/2.0+-0.2mm			SCC1808N820J502T	
820		F/2.0+-0.2mm	<u>_</u>		SCC1812N820J502T	CCCCCCONICCOCT
(82pF)		D/1.25+-0.15mm	J			SCC2208N820J602T
		D/1.25+-0.15mm	J			SCC2211N820J602T
	2220	E/1.6+-0.2mm	J	CCC1000NI101I202T		SCC2220N820J602T
	1808	D/1.25+-0.15mm	<u>_</u>	SCC1808N101J202T	CCC1000N1101 IF03T	
101	1010	F/2.0+-0.2mm	J		SCC1808N101J502T	
101		F/2.0+-0.2mm	<u>J</u>		SCC1812N101J502T	6660000NI101I600T
(100pF)		E/1.6+-0.2mm	<u>J</u>			SCC2208N101J602T
		D/1.25+-0.15mm	<u>J</u>			SCC2211N101J602T
		E/1.6+-0.2mm	<u>J</u>	CCC1000011011000T		SCC2220N101J602T
	1808	D/1.25+-0.15mm	<u>J</u>	SCC1808N121J202T	6664666N464456	
101	1010	E/1.6+-0.2mm	<u>J</u>		SCC1808N121J502T	
121		F/2.0+-0.2mm	<u>J</u>		SCC1812N121J502T	
(120pF)		E/1.6+-0.2mm	<u>J</u>			SCC2208N121J602T
		D/1.25+-0.15mm	J			SCC2211N121J602T
	2220	E/1.6+-0.2mm	J			SCC2220N121J602T
	1808	D/1.25+-0.15mm	<u>J</u>	SCC1808N131J202T		
101		E/1.6+-0.2mm	<u>J</u>		SCC1808N131J502T	
131		F/2.0+-0.2mm	<u>J</u>		SCC1812N131J502T	
(130pF)		E/1.6+-0.2mm	J			SCC2208N131J602T
		D/1.25+-0.15mm	<u>J</u>			SCC2211N131J602T
	2220	E/1.6+-0.2mm	<u>J</u>			SCC2220N131J602T
	1808	D/1.25+-0.15mm	J	SCC1808N151J202T		
4-4		E/1.6+-0.2mm	J		SCC1808N151J502T	
151		F/2.0+-0.2mm	J		SCC1812N151J502T	
(150pF)		E/1.6+-0.2mm	J			SCC2208N151J602T
		D/1.25+-0.15mm	<u>J</u>			SCC2211N151J602T
	2220	E/1.6+-0.2mm	J			SCC2220N151J602T
	1808	D/1.25+-0.15mm	J	SCC1808N181J202T		
404		E/1.6+-0.2mm	J		SCC1808N181J502T	
181		F/2.0+-0.2mm	J		SCC1812N181J502T	
(180pF)		E/1.6+-0.2mm	J			SCC2208N181J602T
		D/1.25+-0.15mm	J			SCC2211N181J602T
	2220	F/2.0+-0.2mm	J			SCC2220N181J602T
	1808	D/1.25+-0.15mm	J	SCC1808N221J202T		
		E/1.6+-0.2mm	J		SCC1808N221J502T	
221		F/2.0+-0.2mm	J		SCC1812N221J502T	
(220pF)		E/1.6+-0.2mm	J			SCC2208N221J602T
		E/1.6+-0.2mm	J			SCC2211N221J602T
	2220	F/2.0+-0.2mm	J			SCC2220N221J602T





					Catalog Number	
Cap.	Size	Thickness	Cap.	X2	X1/Y2	X1/Y2 250Vrms
cap.	SIZE	THERIESS	Tol.	250Vrms	250Vrms	2208N, 2211N,2220N
-		D/1.25+-0.15mm	1	SCC1808N271J202T	230 VIIII3	220011, 221111,222011
	1808	E/1.6+-0.2mm		30010001127132021	SCC1808N271J502T	
271	1812	F/2.0+-0.2mm			SCC1803N271J502T	
(270pF)		E/1.6+-0.2mm			3CC10121127133021	SCC2208N271J602T
(270pi)		E/1.6+-0.2mm				SCC2211N271J602T
		F/2.0+-0.2mm	J			SCC2220N271J602T
		D/1.25+-0.15mm	J	SCC1808N331J202T		30022201127 130021
221	1808	E/1.6+-0.2mm	J	30010001133131011	SCC1808N331J502T	
331	1812	F/2.0+-0.2mm	J		SCC1812N331J502T	
(330pF)		E/1.6+-0.2mm	J			SCC2208N331J602T
(000)		E/1.6+-0.2mm	J			SCC2211N331J602T
		F/2.0+-0.2mm	J			SCC2220N331J602T
		F/2.0+-0.2mm	J	SCC1808N391J202T		
391		F/2.0+-0.2mm	J		SCC1812N391J502T	
(390pF)		E/1.6+-0.2mm	J			SCC2211N391J602T
` ' '		F/2.0+-0.2mm	J			SCC2220N391J602T
471	1808	F/2.0+-0.2mm	J	SCC1808N471J202T		
		F/2.0+-0.2mm	J		SCC1812N471J502T	
		E/1.6+-0.2mm	J			
(470pF)	2211	E/1.6+-0.2mm	J			SCC2211N471J602T
	2220	F/2.0+-0.2mm	J			SCC2220N471J602T
	1808	F/2.0+-0.2mm	J	SCC1808N561J202T		
561		F/2.0+-0.2mm	J		SCC1812N561J502T	
(560pF)	2211	F/2.0+-0.2mm	J			SCC2211N561J602T
		F/2.0+-0.2mm	J			SCC2220N561J602T
		F/2.0+-0.2mm	J	SCC1808N681J202T		
681		F/2.0+-0.2mm	J		SCC1812N681J502T	
(680pF)		F/2.0+-0.2mm	J			SCC2211N681J602T
		F/2.0+-0.2mm	J			SCC2220N681J602T
821		F/2.0+-0.2mm	J	SCC1808N821J202T		
		G/2.4+-0.2mm	J			SCC2211N821J602T
(020pi)	2220	F/2.0+-0.2mm	J			SCC2220N821J602T
		F/2.0+-0.2mm	J	SCC1808N102J202T		
		F/2.0+-0.2mm	J			
(1nF)		H/2.8+-0.2mm	J			SCC2211N102J602T
681 (680pF) 821 (820pF) 102 (1nF)	2220	F/2.0+-0.2mm	J			SCC2220N102J602T
122 (1.2nF)	2220	F/2.0+-0.2mm	J			SCC2220N122J602T





					Catalog Number	
Cap.	Size	Thickness	Cap.	X2	X2	X1/Y2
			Tol.	250Vrms	305Vrms	250Vrms
360 (36pF)	2208	D/1.25+-0.15mm	K			SCC2208X360K502T
390 (39pF)	2208	D/1.25+-0.15mm	K			SCC2208X390K502T
	2208	D/1.25+-0.15mm	K			SCC2208X470K502T
470		D/1.25+-0.15mm	K			SCC2211N470K502T
(47pF)		D/1.25+-0.15mm	K			SCC2220N470K502T
560 (56pF)		D/1.25+-0.15mm	K			SCC2208X560K502T
680	2208	D/1.25+-0.15mm	Κ			SCC2208X680K502T
(68pF)	2211	D/1.25+-0.15mm	Κ			SCC2211X680K502T
820	2208	D/1.25+-0.15mm	Κ			SCC2208X820K502T
(82pF)	2211	D/1.25+-0.15mm	Κ			SCC2211X820K502T
	2208	D/1.25+-0.15mm	Κ			SCC2208X101K502T
101	2211	D/1.25+-0.15mm	Κ			SCC2211X101K502T
(100pF)	2220	D/1.25+-0.15mm	Κ			SCC2220X101K502T
101	2208	D/1.25+-0.15mm	Κ			SCC2208X121K502T
121	2211	D/1.25+-0.15mm	Κ			SCC2211X121K502T
(120pF)	2220	D/1.25+-0.15mm	Κ			SCC2220X121K502T
		F/2.0+-0.2mm	Κ			
131	2208	D/1.25+-0.15mm	Κ			SCC2208X131K502T
(130pF)	2211	D/1.25+-0.15mm	Κ			SCC2211X131K502T
	2220	D/1.25+-0.15mm	Κ			SCC2220X131K502T
	1808	D/1.25+-0.15mm	Κ	SCC1808X151K202T		SCC1808X151K502T
4 = 4	1812	D/1.25+-0.15mm	Κ			SCC1812X151K502T
151		D/1.25+-0.15mm	Κ			SCC2208X151K502T
(150pF)	2211	D/1.25+-0.15mm	Κ			SCC2211X151K502T
	2220	D/1.25+-0.15mm	Κ	SCC2220X151K202T	SCC2220X151K252T	SCC2220X151K502T
	1808	D/1.25+-0.15mm	Κ	SCC1808X181K202T		SCC1808X181K502T
101	1812	D/1.25+-0.15mm	Κ			SCC1812X181K502T
181	2208	D/1.25+-0.15mm	Κ			SCC2208X181K502T
(180pF)	2211	D/1.25+-0.15mm	Κ			SCC2211X181K502T
		D/1.25+-0.15mm	Κ	SCC2220X181K202T	SCC2220X181K252T	SCC2220X181K502T
		D/1.25+-0.15mm	Κ	SCC1808X221K202T		SCC1808X221K502T
221	1812	D/1.25+-0.15mm	Κ			SCC1812X221K502T
221	2208	D/1.25+-0.15mm	Κ			SCC2208X221K502T
(220pF)	2211	D/1.25+-0.15mm	Κ			SCC2211X221K502T
	2220	D/1.25+-0.15mm	Κ	SCC2220X221K202T	SCC2220X221K252T	SCC2220X221K502T
-		D/1.25+-0.15mm	K	SCC1808X271K202T		SCC1808X271K502T
274		D/1.25+-0.15mm	K			SCC1812X271K502T
271		D/1.25+-0.15mm	K			SCC2208X271K502T
(270pF)		D/1.25+-0.15mm	K			SCC2211X271K502T
		D/1.25+-0.15mm	K	SCC2220X271K202T	SCC2220X271K252T	SCC2220X271K502T





Table	
1808   D/1.25+-0.15mm   K   SCC1808X331K202T   SCC1812X33   330pF   2208   D/1.25+-0.15mm   K   SCC1812X331K202T   SCC1812X33   2208   D/1.25+-0.15mm   K   SCC220X331K202T   SCC220X331K25T   SCC220X33   2210   D/1.25+-0.15mm   K   SCC220X331K202T   SCC220X331K25T   SCC2220X33   391   1812   D/1.25+-0.15mm   K   SCC1808X391K202T   SCC220X331K25T   SCC220X33   391   1812   D/1.25+-0.15mm   K   SCC1808X391K202T   SCC220X331K25T   SCC220X33   391   1812   D/1.25+-0.15mm   K   SCC1812X391K202T   SCC1812X39   2210   D/1.25+-0.15mm   K   SCC2220X391K202T   SCC220X391K252T   SCC220X39   2220   D/1.25+-0.15mm   K   SCC2220X391K202T   SCC220X391K252T   SCC220X39   471   1812   D/1.25+-0.15mm   K   SCC1808X471K202T   SCC220X391K252T   SCC220X39   471   1812   D/1.25+-0.15mm   K   SCC1812X471K202T   SCC1808X47   471   1812   D/1.25+-0.15mm   K   SCC1812X471K202T   SCC220X471K202T   SCC220X47	
1812   D/1.25+-0.15mm   K   SCC1812X331K202T   SCC220X333   2208   D/1.25+-0.15mm   K   SCC220X331K202T   SCC220X331K252T   SCC2220X333   2210   D/1.25+-0.15mm   K   SCC2220X331K202T   SCC2220X331K252T   SCC2220X333   391   1812   D/1.25+-0.15mm   K   SCC1808X391K202T   SCC1808X39   390pF   2028   D/1.25+-0.15mm   K   SCC1812X391K202T   SCC1812X39   2210   D/1.25+-0.15mm   K   SCC220X391K202T   SCC220X331K252T   SCC220X33   2220   D/1.25+-0.15mm   K   SCC220X391K202T   SCC220X391K252T   SCC220X39   2220   D/1.25+-0.15mm   K   SCC220X391K202T   SCC220X391K252T   SCC220X39   2220   D/1.25+-0.15mm   K   SCC220X391K202T   SCC220X391K252T   SCC220X39   471   1812   D/1.25+-0.15mm   K   SCC1808X471K202T   SCC1808X47   471   1812   D/1.25+-0.15mm   K   SCC1812X471K202T   SCC1812X47   471   1812   D/1.25+-0.15mm   K   SCC1812X471K202T   SCC220X471K252T   SCC220X47   471   1812   D/1.25+-0.15mm   K   SCC220X471K202T   SCC220X471K252T   SCC220X47   2220   D/1.25+-0.15mm   K   SCC1808X561K202T   SCC220X471K252T   SCC220X47   2220   D/1.25+-0.15mm   K   SCC1808X561K202T   SCC220X561K252T   SCC220X561K252T   SCC220X561K252T   SCC220X561K252T   SCC220X561K252T   SCC220X561K252T   SCC220X561K202T   SCC220X561K202T   SCC220X561K252T   SCC220X561K202T   SCC220X561K252T   SCC220X561K202T   SCC220X561K252T   SCC220X561K202T   SCC220X561K252T   SCC220X561K202T   SCC220X561K252T   SCC220X561K202T   SCC220X561K252T   SCC220X561K252T   SCC220X561K252T   SCC220X561K252T   SCC220X561K202T   SCC220X561K252T   SCC220X561K25	
Company	1K502T
(330pF)	1K502T
1808	1K502T
Table	1K502T
1808   D/1.25+-0.15mm   K   SCC1808X391K202T	
SCL1808X39   391   312   D/1.25+-0.15mm   K   SCC1812X391K202T   SCC1812X39   SCC1812X39   SCC1812X39   SCC2208X39   SCC220X39	
Company	1K502T
(390pF)	1K502T
Table	1K502T
1808   D/1.25+-0.15mm   K   SCC1808X471K202T	1K502T
Table	1K502T
Table	
(470pF)         2208         D/1.25+-0.15mm         K         SCC2208X47           2211         D/1.25+-0.15mm         K         SCC2211X47           2220         D/1.25+-0.15mm         K         SCC2220X471K202T         SCC2220X471K252T         SCC2220X47           561         1808         D/1.25+-0.15mm         K         SCC1808X561K202T         SCC1808X56           561         1812         D/1.25+-0.15mm         K         SCC1812X561K202T         SCC2208X56           2208         D/1.25+-0.15mm         K         SCC220X561K202T         SCC220X561K252T         SCC220X56           2210         D/1.25+-0.15mm         K         SCC1808X681K202T         SCC220X561K252T         SCC220X56           681         1812         D/1.25+-0.15mm         K         SCC1808X681K202T         SCC1808X68           681         1812         D/1.25+-0.15mm         K         SCC1812X681K202T         SCC220X568           681         1680pF)         E/1.6+-0.2mm         K         SCC220X681K202T         SCC220X681K202T           681         1680pF)         D/1.25+-0.15mm         K         SCC2220X681K202T         SCC2220X681K202T	′1K502T
Company	′1K502T
Test	′1K502T
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	71K502T
$ \begin{array}{l} 1808 \begin{array}{l} \hline D/1.25 + -0.15 mm & K & SCC1808X561K202T \\ \hline E/1.6 + -0.2 mm & K & SCC1812X561K202T \\ \hline (560pF) \end{array} \\ \hline 1812 \begin{array}{l} D/1.25 + -0.15 mm & K & SCC1812X561K202T \\ \hline E/1.6 + -0.2 mm & K & SCC1812X561K202T \\ \hline E/1.6 + -0.2 mm & K & SCC2208X56 \\ \hline 2208 & D/1.25 + -0.15 mm & K & SCC2208X56 \\ \hline 2211 & D/1.25 + -0.15 mm & K & SCC2220X561K202T & SCC2220X561K252T & SCC2220X56 \\ \hline 2220 & D/1.25 + -0.15 mm & K & SCC1808X681K202T \\ \hline F/2.0 + -0.2 mm & K & SCC1812X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC1812X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC220X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC220X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC220X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC220X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC220X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC220X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC220X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC220X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC220X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC220X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC220X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC220X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC220X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC220X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC220X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC220X681K202T \\ \hline E/1.6 + -0.2 mm & K & SCC2220X68$	71K502T
Table   Feet	
(560pF)	1K502T
(560pF)         E/1.6+-0.2mm         K         SCC1812X56           2208         D/1.25+-0.15mm         K         SCC2208X56           2211         D/1.25+-0.15mm         K         SCC2220X561K202T         SCC2220X561K252T         SCC2220X56           681 (680pF)         1808         D/1.25+-0.15mm         K         SCC1808X681K202T         SCC1808X68           (680pF)         E/1.6+-0.2mm         K         SCC1812X68         SCC2208X68           2211         D/1.25+-0.15mm         K         SCC220X681K202T         SCC220X681K252T         SCC2211X68           2220         D/1.25+-0.15mm         K         SCC2220X681K202T         SCC2220X681K252T         SCC2220X68           1808         D/1.25+-0.15mm         K         SCC1808X821K202T         SCC2220X681K252T         SCC2220X68	
2208    D/1.25+-0.15mm	1K502T
2211 D/1.25+-0.15mm	1K502T
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1K502T
681 (680pF)	1K502T
681 (680pF)	
(680pF)     E/1.6+-0.2mm     K     SCC1812X68       2208 E/1.6+-0.2mm     K     SCC2208X68       2211 D/1.25+-0.15mm     K     SCC2211X68       2220 D/1.25+-0.15mm     K     SCC2220X681K202T     SCC2220X681K252T       1808 D/1.25+-0.15mm     K     SCC1808X821K202T	31K502T
(680pF)     E/1.6+-0.2mm     K     SCC1812X68       2208 E/1.6+-0.2mm     K     SCC2208X68       2211 D/1.25+-0.15mm     K     SCC2211X68       2220 D/1.25+-0.15mm     K     SCC2220X681K202T     SCC2220X681K252T       1808 D/1.25+-0.15mm     K     SCC1808X821K202T	
2208 E/1.6+-0.2mm K SCC2208X68 2211 D/1.25+-0.15mm K SCC2211X68 2220 D/1.25+-0.15mm K SCC2220X681K202T SCC2220X681K252T SCC2220X68  1808 D/1.25+-0.15mm K SCC1808X821K202T	31K502T
2220 D/1.25+-0.15mm K SCC2220X681K202T SCC2220X681K252T SCC2220X68 1808 D/1.25+-0.15mm K SCC1808X821K202T	31K502T
1808 D/1.25+-0.15mm K SCC1808X821K202T	1K502T
18(18 -	1K502T
	21K502T
821 1812 D/1.25+-0.15mm K SCC1812X821K202T	
(820pF) E/1.6+-0.2mm K SCC1812X82	21K502T
2208 E/1.6+-0.2mm K SCC2208X82	21K502T
2211 D/1.25+-0.15mm K SCC2211X82	21K502T
2220 D/1.25+-0.15mm K SCC2220X821K202T SCC2220X821K252T SCC2220X82	1K502T
1808 D/1.25+-0.15mm K SCC1808X102K202T	
F/2.0+-0.2mm K SCC1808X10	2K502T
102 1812 D/1.25+-0.15mm K SCC1812X102K202T	
F/2(1+-0.2)mm K $C(C(181.2)X(0)$	2K502T
(1nF) 2208 F/2.0+-0.2mm K SCC2208X10	2K502T
2211 E/1.6+-0.2mm K SCC2211X10	2K502T
2220 D/1.25+-0.15mm K SCC2220X102K202T SCC2220X102K252T SCC2220X10	2K502T





			_		Catalog Number	
Cap.	Size	Thickness	Cap.	X2	X2	X1/Y2
			Tol.	250Vrms	305Vrms	250Vrms
122 (1.2nF)	1808	D/1.25+-0.15mm	K	SCC1808X122K202T		
	1812	D/1.25+-0.15mm	K	SCC1812X122K202T		
	2211	E/1.6+-0.2mm	K			SCC2211X122K502T
	2220	D/1.25+-0.15mm	K	SCC2220X122K202T	SCC2220X122K252T	SCC2220X122K502T
152 (1.5nF)	1808	D/1.25+-0.15mm	K	SCC1808X152K202T		
	1812	D/1.25+-0.15mm	K	SCC1812X152K202T		
	2211	F/2.0+-0.2mm	K			SCC2211X152K502T
	2220	D/1.25+-0.15mm	K	SCC2220X152K202T	SCC2220X152K252T	SCC2220X152K502T
182 (1.8nF)	1808	D/1.25+-0.15mm	K	SCC1808X182K202T		
	1812	D/1.25+-0.15mm	K	SCC1812X182K202T		
		F/2.0+-0.2mm	K			SCC2211X182K502T
	2220	D/1.25+-0.15mm	K	SCC2220X182K202T	SCC2220X182K252T	
		E/1.6+-0.2mm	K			SCC2220X182K502T
222 (2.2nF)	1808	D/1.25+-0.15mm	K	SCC1808X222K202T		
		D/1.25+-0.15mm	K	SCC1812X222K202T		
	2211	G/2.4+-0.2mm	K	3001012/021		SCC2211X222K502T
	2220	D/1.25+-0.15mm	K	SCC2220X222K202T	SCC2220X222K252T	3CCZZII/KZZZKSOZ I
		E/1.6+-0.2mm	K	JCC2220//222R2021	SCCZZZONZZZINZSZI	SCC2220X222K502T
	1812	D/1.25+-0.15mm	K	SCC1812X272K202T		3CCZZZONZZZIN30Z1
272 (2.7nF)		G/2.4+-0.2mm	K	3CC1012/\Z/\Z/\Z\\Z0Z1		SCC2211X272K502T
		D/1.25+-0.15mm	K	SCC2220X272K202T	SCC2220X272K252T	3CC2211/\(\alpha\) 7 2\(\alpha\)021
	2220	E/1.6+-0.2mm	K	3CC2220X272K2021	3CC2220X272K2321	SCC2220X272K502T
	1812	D/1.25+-0.15mm	K	SCC1812X332K202T		3CC2220X272K3021
332 (3.3nF)	1012	D/1.25+-0.15mm	K		CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	
	2220		K	SCC2220X332K202T	SCC2220X332K252T	CCC2220V222VE02T
472	1812	F/2.0+-0.2mm E/1.6+-0.2mm	K	SCC1812X472K202T		SCC2220X332K502T
472 (4.7nF)	2220		K	SCC1812X472K202T	SCC2220X472K252T	SCC2220X472K502T
562	2220	F/2.0+-0.2mm	N.	3CC222UN472N2U21	3CC222UN472N2321	3CC222UX472K3U21
(5.6nF)	2220	D/1.25+-0.15mm	K	SCC2220X562K202T	SCC2220X562K252T	
682 (6.8nF)	2220	D/1.25+-0.15mm	K	SCC2220X682K202T	SCC2220X682K252T	
822	2220	D/1.25+-0.15mm	K	SCC2220X822K202T	SCC2220X822K252T	
(8.2nF)						
103 (10nF)	2220	D/1.25+-0.15mm	Κ	SCC2220X103K202T	SCC2220X103K252T	
123 (12nF)	2220	D/1.25+-0.15mm	Κ	SCC2220X123K202T	SCC2220X123K252T	
153 (15nF)	2220	E/1.6+-0.2mm	K	SCC2220X153K202T	SCC2220X153K252T	
183	2220	E/1.6+-0.2mm	K	SCC2220X183K202T	SCC2220X183K252T	
(18nF)	2220	L/ 1.U+-U.ZIIIIII		JCC2220/103K2U21	JCC2220/103//2321	
223	2220	E/1.6+-0.2mm	K	SCC2220X223K202T	SCC2220X223K252T	
(22nF)						
273 (27nF)	2220	E/1.6+-0.2mm	K	SCC2220X273K202T	SCC2220X273K252T	
333 (33nF)	2220	E/1.6+-0.2mm	K	SCC2220X333K202T	SCC2220X333K252T	
473						
(33nF)	2825	E/1.6+-0.2mm	K	SCC2825X473K202T		
563						
(33nF)	2825	E/1.6+-0.2mm	K	SCC2825X563K202T		
^						

