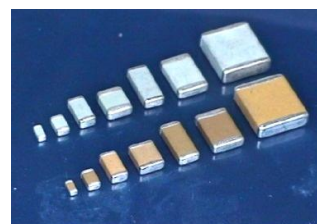


Automotive Grade MLCC Rated Voltage 250Vac ◆X1/Y2 Safety Capacitors



◆ Features

- Suitable for harsh Automotive environments without additional qualification testing
- Available with Polymer Termination (Super Term) to prevent mechanical cracking
- High Reliability
- AEC-Q200 qualified
- RoHS compliant
- 250Vac, X1/Y2 Safety Capacitors available

◆ Applications

- CAN-Bus Isolation, On board charger
- Safety equipment
- Customized application

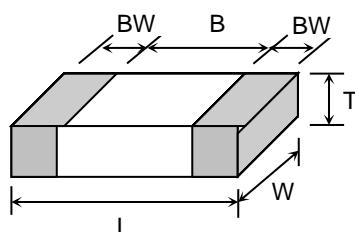
◆ Safety Details of Specifications

IEC 60384-14 : 2013, 4 th Edition	Meets the electrical requirements and certification for equipment requiring Class X1/Y2 devices.
EN 60384-14 : 2013, 4 th Edition	

◆ How To Order : SCC_TXQ (AEC-Q200 only) ; SCC_TXA (TS16949 PPAP Level 3+AEC-Q200)

SCC	2208	X	102	K	502	T	X	A
Product Code	Chip Size	Dielectric	Capacitance Unit : pF	Tolerance	Rated Voltage	Packaging	Special Requirement	Special Requirement
SCC : Safety Approved MLCC	EX : 1808 1812 2208 2211 2220	EX : X : X7R	EX : 100 : 10 x 10 ⁰ 221 : 22 x 10 ¹ 332 : 33 x 10 ² 473 : 47 x 10 ³	EX : K : +/-10% M : +/-20%	EX : 502 : X1/Y2	EX : T : T/R 7" R : T/R 13" B : Bulk	EX : X : Polymer Termination (Super Term)	EX : A : TS16949 Q : AEC-Q200

◆ Dimension



TYPE	L	W	T (max)	B (min)	BW (min)
1808	4.60±0.30	2.00±0.20	2.2	2.5	0.3
1812	4.60±0.30	3.20±0.30	3	2.5	0.3
2208	5.70±0.40	2.00±0.20	2.2	4	0.3
2211	5.70±0.40	2.80±0.30	3	4	0.3
2220	5.80±0.50	5.00±0.40	3	4	0.3

◆ Capacitance Range

Size	Class	360	390	470	560	680	820	101	121	131	151	181	221	271	331	391	471	561	681	821	102	122	152	182	222	272	332	472	
2208	X1/Y2	E	E	E	E	E	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F								
2220	X1/Y2						F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	G	H
1808	X1/Y2																												
1812	X1/Y2																												
2211	X1/Y2																												

Note : Available with Standard or Polymer Termination (Super Term)
 Only Polymer Termination (Super Term) Available CY2018/H1

Symbol Code	S	O	A	B	C	D	E	F	G	H
Thickness (mm)	0.3±0.03	0.5±0.05	0.6±0.1	0.85±0.1	1.0±0.1	1.25±0.20	1.6±0.2	2.0±0.2	2.4±0.2	2.8±0.2

■ Other dimensions, capacitance values and voltage ratings are available on request. Please contact your local Holy Stone office.

Cap.	Size	Thickness	Cap. Tol.	Catalog Number	
				Class	X1/Y2
360 (36pF)	2208	E/1.6±0.2mm	K	SCC2208X360K502TXQ	
390 (39pF)	2208	E/1.6±0.2mm	K	SCC2208X390K502TXQ	
470 (48pF)	2208	E/1.6±0.2mm	K	SCC2208X470K502TXQ	
560 (56pF)	2208	E/1.6±0.2mm	K	SCC2208X560K502TXQ	
680 (68pF)	2208	E/1.6±0.2mm	K	SCC2208X680K502TXQ	
820 (82pF)	2208	E/1.6±0.2mm	K	SCC2208X820K502TXQ	
101 (100pF)	2208 2220	F/2.0±0.2mm F/2.0±0.2mm	K K	SCC2208X101K502TXQ SCC2220X101K502TXQ	
121 (120pF)	2208 2220	F/2.0±0.2mm F/2.0±0.2mm	K K	SCC2208X121K502TXQ SCC2220X121K502TXQ	
131 (130pF)	2208 2220	F/2.0±0.2mm F/2.0±0.2mm	K K	SCC2208X131K502TXQ SCC2220X131K502TXQ	
151 (150pF)	2208 2220	F/2.0±0.2mm F/2.0±0.2mm	K K	SCC2208X151K502TXQ SCC2220X151K502TXQ	
181 (180pF)	2208 2220	F/2.0±0.2mm F/2.0±0.2mm	K K	SCC2208X181K502TXQ SCC2220X181K502TXQ	
221 (220pF)	2208 2220	F/2.0±0.2mm F/2.0±0.2mm	K K	SCC2208X221K502TXQ SCC2220X221K502TXQ	
271 (270pF)	2208 2220	F/2.0±0.2mm F/2.0±0.2mm	K K	SCC2208X271K502TXQ SCC2220X271K502TXQ	
331 (330pF)	2208 2220	F/2.0±0.2mm F/2.0±0.2mm	K K	SCC2208X331K502TXQ SCC2220X331K502TXQ	
391 (390pF)	2208 2220	F/2.0±0.2mm F/2.0±0.2mm	K K	SCC2208X391K502TXQ SCC2220X391K502TXQ	
471 (470pF)	2208 2220	F/2.0±0.2mm F/2.0±0.2mm	K K	SCC2208X471K502TXQ SCC2220X471K502TXQ	
561 (560pF)	2208 2220	F/2.0±0.2mm F/2.0±0.2mm	K K	SCC2208X561K502TXQ SCC2220X561K502TXQ	
681 (680pF)	2208 2220	F/2.0±0.2mm F/2.0±0.2mm	K K	SCC2208X681K502TXQ SCC2220X681K502TXQ	
821 (820pF)	2208 2220	F/2.0±0.2mm F/2.0±0.2mm	K K	SCC2208X821K502TXQ SCC2220X821K502TXQ	
102 (1nF)	2208 2220	F/2.0±0.2mm F/2.0±0.2mm	K K	SCC2208X102K502TXQ SCC2220X102K502TXQ	
122 (1.2nF)	2220	F/2.0±0.2mm	K	SCC2220X122K502TXQ	
152 (1.5nF)	2220	F/2.0±0.2mm	K	SCC2220X152K502TXQ	

Cap.	Size	Thickness	Cap. Tol.	Class X1/Y2	Catalog Number
152 (1.5nF)	2220	F/2.0±0.2mm	K		SCC2220X152K502TXQ
182 (1.8nF)	2220	F/2.0±0.2mm	K		SCC2220X182K502TXQ
222 (2.2nF)	2220	F/2.0±0.2mm	K		SCC2220X222K502TXQ
272 (2.7nF)	2220	F/2.0±0.2mm	K		SCC2220X272K502TXQ
332 (3.3nF)	2220	G/2.4±0.2mm	K		SCC2220X332K502TXQ
472 (4.7nF)	2220	H/2.8±0.2mm	K		SCC2220X472K502TXQ