

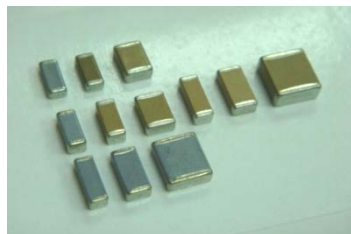


**THE DATASHEET OF  
SCC1808N100J502TG**



## Multilayer Ceramic Chip Capacitors [ Safety Ceramic 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 X1/Y2 and X2 devices.
EN 60384-14 : 2013, 4 <sup>th</sup> Edition	
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	T	S
Product Code	Chip Size	Dielectric	Capacitance Unit : pF	Tolerance	Class	Packaging	Special Requirement
SCC: Safety Approved MLCC	Ex.: 1808 1812 2208 2211 2220 2825	Ex.: N: NP0 X: X7R	Ex.: 2R0:2.0pF 100:10x10 <sup>0</sup> 471:47x10 <sup>1</sup> 182:18x10 <sup>2</sup>	Ex.: J :+/-5% K :+/-10% M :+/-20%	Ex.: 202: X2 252 :X2 (305Vrms) 502: X1/Y2 602: X1/Y2 for SCC2208N, SCC2211N, SCC2220N	T: T/R 7" R: T/R 13" B: Bulk	Ex.: S: Arc Prevention Coating X: Polymer Termination (Super Term) Z: Arc Prevention Coating & Polymer Termination (Super Term) G: Lead (Pb) Free



## Looking for pricing, stock, or lifecycle information?

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