



# Holystone Enterprise. Co., Ltd. Surface Mount MLCC Capacitor X-Reference Guide

## Safety Certified Multilayer Ceramic Chip Capacitor Cross Reference Guide

### HEC: SCC1808X102K302T

SCC	1808	X	102	K	302	T	S
Safety Certified Capacitor	EIA Size	Dielectric	Capacitance	Tolerance	Voltage	Packaging	Special Requirement
	1808 1812 2208 2211 2220 2825	N: NPO X: X7R	1 st two digits are significant, 3rd digit denotes number of zeros. R= Decimal 5R0: 5.0 pF 100: 10 pF 330: 33 pF 471: 470 pF 102: 1000 pF	J: ± 5% K: ± 10% M: ± 20%	202: X2 302: X2/Y3 502: X1/Y2 602: X1/Y2 (2208,2211, 2220 sizes)	T: Tape & Reel (7")	S: Arc Resistant coating X: Super Term Z: Coated and Super Term G: 100% Pb Free

### Johanson: 302R29W102KV4E-\*\*\*\*-SC

302	R29	W	102	K	V	4	E	SC
Impulse Voltage	Size	Dielectric	Capacitance	Tolerance	Termination	Marking	Packaging	Type
302: 3 KV 502: 5 KV	R29: 1808 S43: 1812 R30: 2211 S47: 2220	N: NPO X: X7R	1 st two digits are significant, 3rd digit denotes number of zeros. R= Decimal 5R0: 5.0 pF 100: 10 pF 330: 33 pF 471: 470 pF 102: 1000 pF	J: ± 5% K: ± 10% M: ± 20%	V: Ni barrier with 100%	3: Special (JSC)	E: Embossed 7" Reel	SC: Safety Certified



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#### Novacap: LS1808B102K302NX080TM

LS1808	B	102	K	302	N	X080	T	M
Size	Dielectric	Capacitance	Tolerance	Voltage	Termination	Thickness Option	Packaging	Marking
LS1808 LS1812 ES2211 ES2215 ES2225	N: COG B: X7R	1 st two digits are significant, 3rd digit denotes number of zeros. R= Decimal 5R0: 5.0 pF 100: 10 pF 330: 33 pF 471: 470 pF 102: 1000 pF	J: ± 5% K: ± 10% M: ±	302: 3 KVDC 502: 5 KVDC	V: Ni barrier with 100% Sn plating	X080: Thickness ≤.080"	T: Tape & Reel	M:

#### Murata: GA342QR7GD102KW01L

GA3	42	Q	R7	GD	102	K	W01	L
Product Series	Size	Thickness	Dielectric	Voltage	Capacitance	Tolerance	Individual Spec Code	Packaging
GA3: Safety Certified	42: 1808 43: 1812 52: 2211 55: 2220	D: 0.080" Q: 0.060"	1X: SL R7: X7R	GB: X2 GC: X1 GD: Y3 GF: Y2	1 st two digits are significant, 3rd digit denotes number of zeros. R= Decimal 5R0: 5.0 pF 100: 10 pF 330: 33 pF 471: 470 pF 102: 1000 pF	J: ± 5% K: ± 10% M: ± 20%		L: 7" Reel



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#### Syfer: 1808JA250102KXTSP

1808	J	A25	0102	K	X	T	SPU
EIA Size	Termination	Voltage	Capacitance	Tolerance	Dielectric	Packaging	Type
1808 1812 2211 2220	J: Ni barrier Y: Flexicap	A25: 250VAC	First digit is 0. 2nd and 3rd digits are significant. The 4th digit denotes number of zeros. P= Decimal 5P00: 5.0 pF 0100: 10 pF 0330: 33 pF 0471: 470 pF 0102: 1000 pF	C: $\pm 0.25\text{pF}$ D: $\pm 0.50\text{pF}$ F: $\pm 1\%$ G: $\pm 2\%$ J: $\pm 5\%$ K: $\pm 10\%$ M: $\pm 20\%$	C: COG/NP O	T: 7" Reel R: 13" Reel	SY2: Safety Cap (Unmarked)* Y2: Safety Cap (Marked)* SP: Safety Cap (Marked)* SP: Safety Cap (Unmarked)* B16: X1/Y2* B17: X2*

#### Kyocera: CF42X7R102K2000ATY3

CF	42	X7R	102	K	2000	A	Y3	
Product Series	EIA Size	Dielectric	Capacitance	Tolerance	Voltage	Termination	Packaging	Type
CF: High Voltage	42: 1808 52: 2208 53: 2211	CH: $0\pm 60\text{ppm}$ X7R: X7R	1 st two digits are significant, 3rd digit denotes number of zeros. R= Decimal 5R0: 5.0 pF 100: 10 pF 330: 33 pF 471: 470 pF 102: 1000 pF	J: $\pm 5\%$ K: $\pm 10\%$ M: $\pm 20\%$	2000: 2 KV 3000: 3KV	A: Ni barrier	T: 7" Reel B: Bulk Y2: Y2 Y3: Y3	



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