



Safety Certified Multilayer Ceramic Chip Capacitor Cross

Chip Case Size/Style Cross Reference Chart

HEC	1808	1812	2208	2211	2220
Johanson	R29	S43	NA	R30	S47
Novacap	LS1808	LS1812	NA	ES2211	NA
Murata	GA342	GA343	NA	GA352	GA355
Syfer	1808	1812	NA	2211	2220
Kyocera	42	NA	52	53	NA



Safety Certified MLC Capacitor X-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	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 only)	T: Tape & Reel (7") B: Bulk	S: Arc Resistant coating X: Super Term Z: Coated and Super Term

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% Sn plating	3: Special (JSC) 4: No Marking	E: Embossed 7" Reel	SC: Safety Certified

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: 20%	302: 3 KVDC 502: 5 KVDC	V: Ni barrier with 100% Sn	X080: Thickness ≤.080" X100: Thickness ≤.100"	T: Tape & Reel	M: Marked

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: 0.25pF D: 0.50pF F: 1% G: 2% J: 5% K: 10% M: 20%	C: COG/NPO X: X7R	T: 7" Reel R: 13" Reel B: Bulk	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	T	Y3
Product Series	EIA Size	Dielectric	Capacitance	Tolerance	Voltage	Termination	Packaging	Type
CF: High Voltage	42:1808 52: 2208 53: 2211	CH: 0 60ppm 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: 5% K: 10% M: 20%	2000: 2 KV 3000: 3KV	A: Ni barrier	T: 7" Reel B: Bulk	Y2: Y2 Y3: Y3

* Contact the factory for more information



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