



HIGH VOLTAGE CHIP CAPACITORS 500VDC TO 5000VDC

UTC offers a wide variety of sizes, voltages, and capacitance values in our series of High Voltage Ceramic Chips.

Features & Applications:

- Specialized internal electrode designs offer an enhanced product performance.
- Ideally, suited for telecommunication devices in LAN interface (IEEE 802.3) products.
- Performs well as a ballast capacitor for backlighting inverter applications.
- UTC also supports many applications for both custom sizes and voltages beyond those listed.
- RoHS Compliant
- Lead Free



HOW TO ORDER							
C	T	1812	X7R	102	K	W	T
UTC P/N STYLE	VOLTAGE	BODY SIZE	TEMPERATURE COEFFICIENT	CAPACITANCE CODE	TOLERANCE	TERMINATION	PACKAGE STYLE
C = MLCC CHIP	S = 500V K = 600V K = 630V T = 1,000V W = 2,000V X = 3,000V Y = 4,000V Z = 5,000V	1206 1210 1808 1812 1825 2220 2225 3530 4040 5550	NPO X7R	2 significant digits are used plus the third character then represents the number of zeros to follow	J = 5% K = 10% M = 20%	W = 100% tin termination & RoHS - Lead Free compliant product B = Soft Termination [consult factory]	T = Tape & Reel

Dimension

Size		1206	1210	1808	1812	1825	2220	2225	3530	4040	5550
Min Cap		10pF	10pF	10pF	10pF	47pF	47pF	47pF	47pF	47pF	100pF
500V	NPO	1500pF	1800pF	3300pF	.01μF	.022μF	.022μF	.027μF	.068μF	.1μF	.18μF
	X7R	.039μF	.047μF	.047μF	.1μF	.33μF	.27μF	.33μF	1.0μF	1.8μF	2.2μF
1000V	NPO	1000pF	2200pF	2200pF	4700pF	.01μF	.01μF	.015μF	.027μF	.056μF	.1μF
	X7R	4700pF	.033μF	.01μF	.027μF	.1μF	.1μF	.1μF	.33μF	.56μF	1.0μF
2000V	NPO	220pF	560pF	330pF	1800pF	2700pF	2700pF	3900pF	.015μF	.027μF	.047μF
	X7R	1000pF	1800pF	2200pF	4700pF	.012μF	.01μF	.015μF	.068μF	.15μF	.27μF
3000V	NPO	39pF	220pF	1000pF	820pF	1200pF	1200pF	1800pF	.01μF	.018μF	.033μF
	X7R	_____	_____	1800pF	1500pF	4700pF	4700pF	5600pF	.027μF	.068μF	.12μF
4000V	NPO	_____	_____	220pF	470pF	680pF	680pF	1000pF	5600pF	.012μF	.018μF
	X7R	_____	_____	330pF	680pF	1500pF	1500pF	1500pF	.015μF	.022μF	.047μF
5000V	NPO	_____	_____	_____	_____	390pF	151pF	560pF	3300pF	6800pF	.012μF
	X7R	_____	_____	_____	_____	820pF	820pF	1000pF	.01μF	.012μF	.033μF

* TOLERANCE +/-0.10 or 7% WHICHEVER IS GREATER.