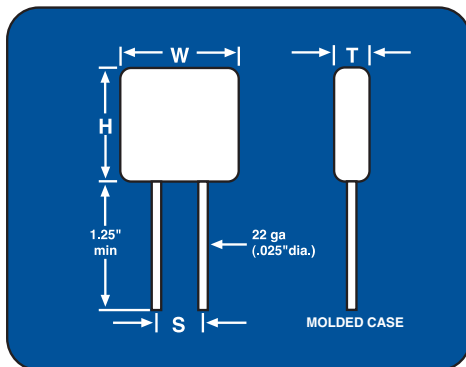


# 200°C High Voltage Leaded Ceramic Capacitors

## 500VDC - 5000VDC



### General Specifications

	X7R	NPO
Capacitance Range	100pf-1.0mf (+25° C, 1.0Vrms, 1Khz)	100pf-.27mf (+25° C, 1.0Vrms, 1Khz)
Capacitance Tolerance	+/- 5,10,20%, +80/-20%	+/- 1,2,5,10,20%, +80/-20%
Temperature Coefficient	+15%, -50% from -55° C to 200° C	+/- 30ppm/ C, from -55° C to 200° C
Dissipation Factor	2.5% max. (+25° C, 1.0Vrms, 1Khz)	.15% max. (+25° C, 1.0Vrms, 1Khz)
Voltage Ratings	500 to 5000 Vdc @200° C	
Dielectric Withstanding Voltage	1Kv and below @ 1.5x rated voltage, 2Kv and above @ 1.2x rated voltage (100mA max.)	
Insulation Resistance (min.)	100K megohms or 1K megohms-mfd at 25° C, whichever is less 100 megohms or 1 megohms-mfd at 200° C, whichever is less	

### Style and Size Information (All dimensions are in inches)

STYLE	MAX WIDTH(W)	MAX HEIGHT(H)	MAX THICKNESS(T)	LEAD SPACING(S) +/- .030
2525	.250	.250	.150	.200
3530	.350	.300	.200	.200
4540	.450	.400	.200	.400
5050	.500	.500	.200	.400
6560	.650	.600	.250	.600
7570	.750	.700	.250	.600
10090	1.000	.900	.250	.800

### X7R MAXIMUM CAPACITANCE

STYLE	MIN	500V MAX	1000V MAX	2000V MAX	3000V MAX	4000V MAX	5000V MAX
2525	100 pf	.01 mf	2200 pf				
3530	100 pf	.033 mf		1500 pf			
4540	100 pf	.1 mf	.027 mf	5600 pf	2700 pf		
5050	100 pf	.15 mf	.047 mf	.01 mf	4700 pf	2700 pf	
6560	560 pf	.39 mf	.1 mf	.027 mf	.01 mf	8200 pf	3900 pf
7570	1000 pf	.56 mf	.15 mf	.039 mf	.018 mf	.012 mf	6800 pf
10090	2200 pf	1.0 mf	.27 mf	.068 mf	.027 mf	.022 mf	.012 mf

### NPO MAXIMUM CAPACITANCE

STYLE	MIN	500V MAX	1000V MAX	2000V MAX	3000V MAX	4000V MAX	5000V MAX
2525	100 pf	3900 pf	820 pf				
3530	100 pf	.01 mf	3300 pf	1000 pf			
4540	100 pf	.033 mf	.01 mf	3900 pf	1800 pf		
5050	100 pf	.056 mf	.015 mf	6800 pf	2700 pf	1200 pf	
6560	560 pf	.1 mf	.033 mf	.015 mf	8200 pf	2500 pf	2200 pf
7570	1000 pf	.15 mf	.047 mf	.022 mf	.012 mf	4700 pf	3300 pf
10090	2200 pf	.27 mf	.068 mf	.033 mf	.022 mf	.01 mf	6800 pf

### How To Order

(Custom sizes and values available, contact factory)

<b>202</b>	<b>L</b>	<b>4540</b>	<b>B</b>	<b>103</b>	<b>K</b>	<b>HT</b>
<b>Voltage</b>	<b>Configuration</b>	<b>Style</b>	<b>Dielectric Type</b>	<b>Capacitance Value</b>	<b>Tolerance</b>	<b>Temperature Rating</b>
501 = 500	L = Leaded		B = X7R	Capacitance In	F = ± 1%	HT = 200° C
102 = 1000			A = NPO	Picofarads	G = ± 2%	
202 = 2000				Last Digit is the	J = ± 5%	
302 = 3000				Number of Zeros	K = ± 10%	
402 = 4000				ie, 103 = 10,000 pf	M = ± 20%	
502 = 5000					Z = + 80/- 20%	
					P = GMV	

### CIRCUIT FUNCTIONS, Inc.

2282 Mouton Drive • Carson City, Nevada 89706 • (775) 885-8003 • Fax (775) 885-9943  
 cfcirson1@aol.com • www.circuitfunctions.com

Data Sheet Rev A

