

## HIGH VOLTAGE CAPACITORS

For use in high reliability high voltage applications, Presidio recommends its high voltage capacitors. Available screened to the requirements of MIL-PRF-49467, the high voltage parts may require encapsulation to prevent surface breakdown.

SIZE	L inches (mm)	W inches (mm)	THICKNESS MAX. (T) inches (mm)	METALIZATION BAND (M.B.) inches (mm)	WVDC	DIELECTRIC	
						NPO	X7R
1209	0.125 (3.18) ± 0.010 (0.25)	0.095 (2.41) ± 0.010 (0.25)	0.080 (2.03)	0.020 (0.51) ± 0.010 (0.25)	500 V	2700 pF	0.022 µF
					1000 V	390 pF	1800 pF
1514	0.150 (3.81) ± 0.010 (0.25)	0.140 (3.56) ± 0.010 (0.25)	0.140 (3.56)	0.020 (0.51) ± 0.010 (0.25)	500 V	3900 pF	0.039 µF
					1000 V	1800 pF	0.01 µF
					2000 V	390 pF	1800 pF
					3000 V	150 pF	820 pF
1712	0.175 (4.46) ± 0.013 (0.33)	0.125 (3.18) ± 0.010 (0.25)	0.120 (3.05)	0.020 (0.51) ± 0.010 (0.25)	500 V	6800 pF	0.068 µF
1812	0.180 (4.57) ± 0.020 (0.51)	0.125 (3.18) ± 0.010 (0.25)			1000 V	2200 pF	0.015 µF
					2000 V	270 pF	1800 pF
					3000 V	120 pF	390 pF
1825	0.180 (4.57) ± 0.020 (0.51)	0.250 (6.35) max.	0.160 (4.06)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.012 µF	0.15 µF
					1000 V	5600 pF	0.027 µF
					2000 V	1000 pF	6800 pF
					3000 V	470 pF	1800 pF
1918	0.190 (4.83) ± 0.013 (0.33)	0.180 (4.57) ± 0.013 (0.33)	0.150 (3.81)	0.020 (0.51) ± 0.010 (0.25)	500 V	8200 pF	0.082 µF
					1000 V	3900 pF	0.022 µF
					2000 V	820 pF	4700 pF
					3000 V	330 pF	1800 pF
2225	0.230 (5.84) ± 0.020 (0.51)	0.250 (6.35) ± 0.018 (0.46)	0.200 (5.08)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.015 µF	0.39 µF
					1000 V	6800 pF	0.068 µF
					2000 V	1500 pF	0.012 µF
					3000 V	560 pF	3900 pF
2720	0.270 (6.85) ± 0.020 (0.51)	0.230 (5.84) max.	0.200 (5.08)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.012 µF	0.1 µF
					1000 V	5600 pF	0.027 µF
					2000 V	1500 pF	6800 pF
					3000 V	560 pF	3300 pF
2824	0.280 (7.11) ± 0.020 (0.51)	0.250 (6.35) max.	0.150 (3.81)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.022 µF	0.22 µF
					1000 V	8200 pF	0.047 µF
					2000 V	1800 pF	0.01 µF
					3000 V	820 pF	3300 pF
3012	0.300 (7.62) ± 0.020 (0.51)	0.150 (3.81) max.	0.150 (3.81)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.012 µF	0.082 µF
					1000 V	5600 pF	0.018 µF
					2000 V	560 pF	3300 pF
					3000 V	390 pF	1200 pF
3728	0.370 (9.40) ± 0.020 (0.51)	0.330 (8.38) max.	0.220 (5.59)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.033 µF	0.27 µF
					1000 V	0.018 µF	0.082 µF
					2000 V	2700 pF	0.015 µF
					3000 V	1800 pF	5600 pF
3933	0.380 (9.65) ± 0.020 (0.51)	0.350 (8.89) max	0.150 (3.81)	0.020 (0.51) ± 0.010 (0.25)	4000 V	680 pF	3300 pF
					500 V	0.047 µF	0.47 µF
					1000 V	0.018 µF	0.1 µF
					2000 V	3900 pF	0.022 µF
					3000 V	1800 pF	8200 pF
4018	0.400 (10.16) ± 0.020 (0.51)	0.210 (5.33) max	0.200 (5.08)	0.020 (0.51) ± 0.010 (0.25)	4000 V	560 pF	2200 pF
					500 V	0.022 µF	0.15 µF
					1000 V	0.012 µF	0.047 µF
					2000 V	1200 pF	0.01 µF
					3000 V	820 pF	3900 pF

**EXAMPLE PART NUMBER: HR1825X7R102K11P1**

Add "HR" to the beginning of the normal Presidio part number.  
See page 3 "HOW TO ORDER A STANDARD PART"



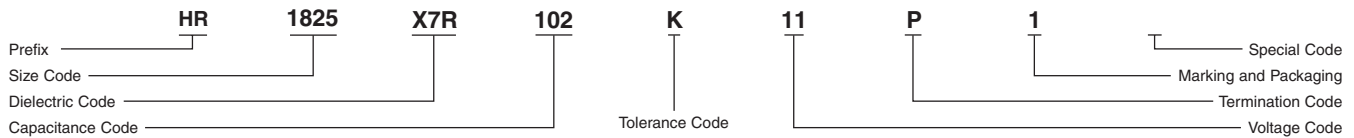
**PRESIDIO COMPONENTS, INC.**

## HIGH VOLTAGE CAPACITORS (cont.)

SIZE	L inches (mm)	W inches (mm)	THICKNESS MAX. (T) inches (mm)	METALIZATION BAND (M.B.) inches (mm)	WVDC	DIELECTRIC	
						NPO	X7R
4040	0.400 (10.16) ± 0.028 (0.71)	0.400 (10.16) ± 0.028 (0.71)	0.150 (3.81)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.047 µF	0.47 µF
					1000 V	0.022 µF	0.12 µF
					2000 V	5600 pF	0.027 µF
					3000 V	2200 pF	0.012 µF
					4000 V	1000 pF	5600 pF
4540	0.450 (11.43) ± 0.032 (0.81)	0.400 (10.16) ± 0.028 (0.71)	0.150 (3.81)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.068 µF	0.68 µF
					1000 V	0.027 µF	0.15 µF
					2000 V	6800 pF	0.039 µF
					3000 V	2700 pF	0.015 µF
					4000 V	1200 pF	6800 pF
4838	0.470 (11.94) ± 0.020 (0.51)	0.430 (10.92) max.	0.220 (5.59)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.056 µF	0.47 µF
					1000 V	0.033 µF	0.15 µF
					2000 V	5600 pF	0.027 µF
					3000 V	3900 pF	0.012 µF
					4000 V	1000 pF	4700 pF
5848	0.570 (14.48) ± 0.020 (0.51)	0.530 (13.46) max.	0.220 (5.59)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.1 µF	0.68 µF
					1000 V	0.047 µF	0.22 µF
					2000 V	0.01 µF	0.047 µF
					3000 V	6800 pF	0.022 µF
					4000 V	1800 pF	8200 pF
6860	0.670 (17.02) ± 0.020 (0.51)	0.650 (16.51) max.	0.220 (5.59)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.15 µF	1.0 µF
					1000 V	0.068 µF	0.33 µF
					2000 V	0.015 µF	0.068 µF
					3000 V	0.01 µF	0.033 µF
					4000 V	2700 pF	0.012 µF
5000 V	2200 pF	8200 pF					

### HOW TO ORDER

EXAMPLE: HR1825X7R102K11P1



## OTHER AVAILABLE SIZES

Chart below shows additional sizes available from factory

SIZE	L inches (mm)	W inches (mm)	THICKNESS MAX. (T) inches (mm)	DIELECTRIC							
				NPO		BX		X7R		Y5V	
				50V	25V	50V	25V	50V	25V	50V	25V
0704	0.070 (1.78)	0.040 (1.02)	0.040 (1.02)	680 pF	820 pF	6800 pF	0.012 µF	0.018 µF	0.022 µF	0.027 µF	0.039 µF
0905	0.100 (2.54)	0.050 (1.27)	0.050 (1.27)	1800 pF	2200 pF	0.018 µF	0.033 µF	0.047 µF	0.068 µF	0.12 µF	0.18 µF
0907	0.090 (2.29)	0.070 (1.78)	0.050 (1.27)	2700 pF	3300 pF	0.068 µF	0.10 µF	0.10 µF	0.12 µF	0.22 µF	0.27 µF
1505	0.150 (3.81)	0.050 (1.27)	0.050 (1.27)	3300 pF	3900 pF	0.047 µF	0.082 µF	0.10 µF	0.12 µF	0.22 µF	0.27 µF
1706	0.170 (4.32)	0.065 (1.65)	0.065 (1.65)	4700 pF	8200 pF	0.10 µF	0.15 µF	0.18 µF	0.22 µF	0.47 µF	0.68 µF
1808	0.180 (4.57)	0.080 (2.03)	0.065 (1.65)	0.010 µF	0.012 µF	0.15 µF	0.22 µF	0.33 µF	0.39 µF	1.0 µF	1.2 µF
2018	0.197 (5.00)	0.180 (4.57)	0.080 (2.03)	0.027 µF	0.033 µF	0.47 µF	0.56 µF	0.56 µF	0.68 µF	2.2 µF	2.7 µF
2321	0.225 (5.72)	0.210 (5.33)	0.070 (1.78)	0.047 µF	0.056 µF	0.68 µF	0.82 µF	0.82 µF	1.0 µF	2.7 µF	3.3 µF
2708	0.270 (6.85)	0.080 (2.03)	0.070 (1.78)	0.010 µF	0.012 µF	0.22 µF	0.27 µF	0.39 µF	0.47 µF	1.2 µF	1.5 µF
2725	0.270 (6.85)	0.250 (6.35)	0.055 (1.40)	0.05 µF	0.060 µF			2.0 µF	2.2 µF		
3439	0.340 (8.64)	0.390 (9.91)	0.060 (1.52)	0.082 µF	0.100 µF			3.3 µF	3.9 µF		
3736	0.370 (9.40)	0.360 (9.14)	0.060 (1.52)	0.100 µF	0.120 µF			4.0 µF	4.7 µF		
3941	0.390 (9.91)	0.410 (10.41)	0.060 (1.52)	0.150 µF	0.180 µF			6.0 µF	6.8 µF		
4036	0.400 (10.16)	0.360 (9.14)	0.060 (1.52)	0.120 µF	0.150 µF			5.0 µF	5.6 µF		
4540	0.450 (11.43)	0.400 (10.16)	0.060 (1.52)	0.180 µF	0.200 µF			6.8 µF	7.8 µF		
5595	0.550 (13.97)	0.950 (24.13)	0.070 (1.78)	0.270 µF	0.300 µF			10.0 µF	12.0 µF		
5930	0.585 (14.86)	0.298 (7.57)	0.070 (1.78)	0.150 µF	0.180 µF			6.0 µF	6.8 µF		



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