

HIGH TEMPERATURE HIGH VOLTAGE CHIP CAPACITORS (HTHV) XHT and NPO DIELECTRIC

Size	L Inches (mm)	W Inches (mm)	Thickness Max (T) Inches (mm)	Metalization Band (M.B.) Inches (mm)	WVDC**	DIELECTRIC (Maximum Capacitance)	
						NPO	XHT
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)	500V	2700pF	0.022µF
					1000V	390pF	1800pF
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)	500V	3900pF	0.075µF
					1000V	1800pF	0.018µF
					2000V	390pF	3300pF
					3000V	150pF	1500pF
1812	0.180 (4.57) ± 0.020 (0.51)	0.160 (4.06) max.	0.120 (3.05)	0.020 (0.51) ± 0.010 (0.25)	500V	6800pF	0.068µF
					1000V	2200pF	0.015µF
					2000V	270pF	1800pF
					3000V	120pF	390pF
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)	500V	0.012µF	0.15µF
					1000V	5600pF	0.027µF
					2000V	1000pF	6800pF
					3000V	470pF	1800pF
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)	500V	8200pF	0.082µF
					1000V	3900pF	0.022µF
					2000V	820pF	4700pF
					3000V	330pF	1800pF
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)	500V	0.015µF	0.39µF
					1000V	6800pF	0.068µF
					2000V	1500pF	0.012µF
					3000V	560pF	3900pF
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)	500V	0.012µF	0.1µF
					1000V	5600pF	0.027µF
					2000V	1500pF	6800pF
					3000V	560pF	3300pF
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)	500V	0.033µF	0.27µF
					1000V	0.018µF	0.082µF
					2000V	2700pF	0.015µF
					3000V	1800pF	5600pF
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)	500V	0.047µF	0.47µF
					1000V	0.018µF	0.1µF
					2000V	3900pF	0.022µF
					3000V	1800pF	8200pF
					4000V	1000pF	3900pF

* Contact factory for additional case sizes or special requirements

** WVDC = Working Voltage Direct Current

HOW TO ORDER HTHV CHIPS

HTHV	1825	XHT	102	K	11	P	3	A
PREFIX HTHV	SIZE See Table	DIELECTRIC NPQ* NPO XHT X7R	CAPACITANCE CODE Two significant figures followed by the number of zeros. Example: 100 = 10 pF 101 = 100 pF 102 = 1000 pF 103 = .01 µF	TOLERANCE CODE F = ± 1% ≥ 10pF G = ± 2% ≥ 10pF J = ± 5% ≥ 10pF K = ± 10% M = ± 20% Z = + 80% / -20% P = +100% / -0%	NPQ* NPO ONLY ALL	TERMINATION CODE NG = Au over Ni NP8 = 15/85 Sn/Pb over Ni NT9 = 90/10 Sn/Pb over Ni Q = 100% Sn over Ni P = Pd/Ag F = Polished Pd/Ag T = 100% Sn over Std. Ni.	PACKAGING 1 = Reel, 7", plastic tape, unmarked 3 = Bulk, unmarked 5 = Waffle, unmarked A = Reel, 13", plastic tape, unmarked C = Reel, 7", paper, unmarked (0402 and 0603 only)	SPECIAL CODE Add "A" for non-standard dimension
				VOLTAGE CODE 6 = 500 VDC 9 = 1000 VDC 11 = 2000 VDC 13 = 3000 VDC 14 = 4000 VDC 15 = 5000 VDC				

* Contact factory regarding NPQ dielectric



PRESIDIO COMPONENTS, INC.

7169 Construction Court, San Diego, CA 92121 USA • Tel: 858-578-9390 • Fax: 800-538-3880 or 858-578-6225

www.presidiocomponents.com • info@presidiocomponents.com