

# HIGH TEMPERATURE HIGH VOLTAGE STACKED CAPACITORS (HTS)

## XHT and NPO DIELECTRIC

Consult Factory for Requirements Above 250°C

PRESIDIO CASE SIZE (Maximum Capacitance $\mu\text{F}$ )														"B" Ht. Max. inch (mm)	No. of Caps per Stack	
Case Code*	52		53		54		55		56		57		58			
Dielectric	XHT	NPO	XHT	NPO	XHT	NPO	XHT	NPO	XHT	NPO	XHT	NPO	XHT	NPO		
WVDC** 1000V (Voltage Code = 9)	.040	.0036	.080	.0075	.16	.014	.25	.022	.35	.030	.38	.033	.70	.060	.200 (5.08)	1
	.080	.0072	.16	.015	.32	.028	.50	.044	.70	.060	.76	.066	1.4	.12	.350 (8.89)	2
	.12	.011	.24	.022	.48	.042	.75	.066	.10	.090	1.1	.10	2.1	.18	.500 (12.70)	3
	.16	.014	.32	.030	.64	.056	1.0	.088	.14	.12	1.5	.13	2.8	.24	.650 (16.51)	4
WVDC** 2000V (Voltage Code = 11)	.0080	.00075	.019	.0017	.035	.0032	.055	.0050	.080	.0070	.090	.0082	.17	.015	.200 (5.08)	1
	.016	.0015	.038	.0034	.070	.0064	.11	.010	.16	.014	.18	.016	.34	.030	.350 (8.89)	2
	.024	.0022	.057	.0051	.10	.0096	.16	.015	.24	.021	.27	.024	.51	.045	.500 (12.70)	3
	.032	.0030	.076	.0068	.14	.013	.22	.020	.32	.028	.36	.033	.68	.060	.650 (16.51)	4
WVDC** 3000V (Voltage Code = 13)	-	-	.0070	.00065	.014	.0013	.022	.0021	.033	.0030	.039	.0035	.070	.0065	.200 (5.08)	1
	-	-	.014	.0013	.028	.0026	.044	.0042	.066	.0060	.078	.0070	.14	.013	.350 (8.89)	2
	-	-	.021	.0019	.042	.0039	.066	.0063	.10	.0090	.11	.010	.21	.019	.500 (12.70)	3
	-	-	.028	.0026	.056	.0052	.088	.0084	.13	.012	.15	.014	.28	.026	.650 (16.51)	4
WVDC** 4000V (Voltage Code = 14)	-	-	-	-	.007	.00060	.012	.0010	.017	.0015	.020	.0018	.039	.0035	.200 (5.08)	1
	-	-	-	-	.014	.0012	.024	.0020	.034	.0030	.040	.0036	.078	.0070	.350 (8.89)	2
	-	-	-	-	.021	.0018	.036	.0030	.051	.0045	.060	.0054	.11	.010	.500 (12.70)	3
	-	-	-	-	.028	.0024	.048	.0040	.068	.0060	.080	.0072	.15	.014	.650 (16.51)	4
WVDC** 5000V (Voltage Code = 15)	-	-	-	-	.0040	.00042	.0065	.00070	.0090	.0010	.011	.012	.022	.0024	.200 (5.08)	1
	-	-	-	-	.0080	.00084	.013	.0014	.018	.0020	.022	.024	.044	.0048	.350 (8.89)	2
	-	-	-	-	.012	.0012	.019	.0021	.027	.0030	.033	.036	.066	.0072	.500 (12.70)	3
	-	-	-	-	.016	.0016	.026	.0028	.036	.0040	.044	.048	.088	.0096	.650 (16.51)	4
Dimensions inch (mm)	0.300 (7.62)		0.415 (10.54)		0.500 (12.70)		0.600 (15.24)		0.700 (17.78)		0.975 (24.77)		1.375 (34.93)		C $\pm$ .025 (0.64)	
	0.260 (6.60)		0.350 (8.89)		0.460 (11.68)		0.560 (14.22)		0.660 (16.76)		0.520 (13.21)		0.670 (17.02)		D (Max) Width	
	0.325 (8.26)		0.440 (11.18)		0.525 (13.34)		0.625 (15.88)		0.725 (18.42)		1.000 (25.40)		1.400 (35.56)		E (Max) Length	
Leads Per Side	3		4		4		5		6		5		6			
Chip Size	2824		3933		4844		5854		6864		9650		13565			

\*\* WVDC = Working Voltage Direct Current

### HOW TO ORDER HIGH VOLTAGE HTS STACKS

HT	S	3	52	XHT	123	K	9	J	3	Y	(F)
PREFIX	CONFIGURATION STACKED	NO. OF CAPS	CASE CODE	DIELECTRIC	CAPACITANCE CODE	TOLERANCE CODE	VOLTAGE CODE	LEAD STYLE	NO. OF LEADS PER SIDE	SPECIAL CODE	DESIGN-IN CODE
HT	Capacitor Assembly	No. of Chips per Stack	See Table Above	NPQ* NPO NHT XHT	Two significant figures followed by the number of zeros. Example: 100 = 10 pF 101 = 100 pF 102 = 1000 pF 103 = .01 $\mu\text{F}$	F = $\pm 1\% \geq 10\text{pF}$ G = $\pm 2\% \geq 10\text{pF}$ J = $\pm 5\% \geq 10\text{pF}$  K = $\pm 10\%$ L = $-10\% / +20\%$ M = $\pm 20\%$ Z = $+80\% / -20\%$ P = $+100\% / -0\%$	9 = 1000V 11 = 2000V 13 = 3000V 14 = 4000V 15 = 5000V  Other Voltages Available	J = Leads formed under G = Leads formed out N = Through-hole * = Soft-leaded Consult Factory for more information	See Above	See Page 10 (Leave blank or add Code X, Y or R)	See Page 15

\* Contact factory regarding NPQ dielectric, additional case sizes, or custom shapes



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