

HIGH TEMPERATURE HIGH VOLTAGE STACKED CAPACITORS (HTS)

XHT and NPO DIELECTRIC

Consult Factory for Requirements Above 250°C

PRESIDIO CASE SIZE (Maximum Capacitance μF)														"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			

* Contact factory for additional case sizes or custom shapes

** 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 XHT	Two significant figures followed by the number of zeros. Example: 100 = 10 pF 101 = 100 pF 102 = 1000 pF 103 = .01 μF	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 for additional case sizes or custom shapes

** Contact factory regarding NPQ dielectric



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PRESIDIO COMPONENTS DESIGN-IN CODES

A WORD TO THE DESIGN ENGINEER

After the design work is done, outsourcing manufacturing on a global basis is a management option. At Presidio Components, we are striving for complete customer satisfaction which includes “after” service for all of our products.

We added a “Design-In” locator code for quick traceability, if needed. Please select your location from the table below and add the appropriate code at the end of the part number. If you need assistance, please give us a call at **(858) 578-9390** or email **HT@presidiocomponents.com**.

UNITED STATES

OUTSIDE THE UNITED STATES

USA	Code	USA	Code	Americas	Code	Europe	Code
Alabama	(G)	Nebraska	(P)	Canada	(R)	Austria	(3)
Alaska	(P)	Nevada, North	(B)	Mexico	(R)	Belgium	(1)
Arizona	(D)	Nevada, South	(C)	Caribbean	(R)	Denmark	(5)
Arkansas	(P)	New Hampshire	(L)	Central America	(R)	Finland	(5)
California, North	(B)	New Jersey	(J)	South America	(R)	France	(2)
California, South	(C)	New Mexico	(D)			Germany	(3)
Colorado	(E)	New York, Metro	(J)			Ireland	(6)
Connecticut	(L)	New York, Upstate	(K)	Pacific Rim		Italy	(4)
Delaware	(I)	North Carolina	(G)	Australia	(S)	Luxembourg	(1)
District of Columbia	(H)	North Dakota	(O)	China	(T)	Netherlands	(1)
Florida	(G)	Ohio	(M)	Japan	(U)	Norway	(5)
Georgia	(G)	Oklahoma	(P)	Korea, South	(V)	Sweden	(5)
Hawaii	(P)	Oregon	(A)	Malaysia	(W)	Switzerland	(3)
Idaho	(A)	Pennsylvania	(I)	Singapore	(X)	United Kingdom	(6)
Illinois	(N)	Rhode Island	(L)	Other Pacific Rim Countries	(Y)	Other European Countries	(7)
Indiana	(M)	South Carolina	(G)				
Iowa	(O)	South Dakota	(O)			Other	
Kansas	(P)	Tennessee	(G)			India	(Z)
Kentucky	(M)	Texas	(F)			Israel	(8)
Louisiana	(P)	Utah	(E)			Rest of World	(9)
Maine	(L)	Vermont	(L)				
Maryland	(H)	Virginia	(H)				
Massachusetts	(L)	Washington	(A)				
Michigan	(N)	West Virginia	(P)				
Minnesota	(O)	Wisconsin, East	(N)				
Mississippi	(G)	Wisconsin, West	(O)				
Missouri	(N)	Wyoming	(E)				
Montana	(A)						

PART NUMBER EXAMPLE:
HT0805XHT473K1Q5R(F)

Add Design-In Code inside the parentheses at the end of the Presidio part number as shown above.