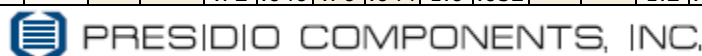


Stacked Capacitors

X7R and NPO

Maximum Capacitance (µF)

		PRESIDIO CASE SIZE																		"B" Ht. Max. inch (mm)	No. of Cap per stack		
Case Code		08		17		32		36		16		01		47		42		21				06	
Dielectric		X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO			X7R	NPO
25V (voltage code=1)		1.4	.036	1.8	.045	2.0	.050	2.0	.050	2.3	.060	2.5	.065	3.0	.080	3.3	.080	3.9	.10	5.0	.13	.150 (3.81)	1
		2.8	.072	3.6	.090	4.0	.10	4.0	.10	4.6	.12	5.0	.13	6.0	.16	6.6	.16	7.8	.20	10	.26	.200 (5.08)	2
		4.2	.11	5.4	.13	6.0	.15	6.0	.15	6.9	.18	7.5	.19	9.0	.24	10	.24	11	.30	15	.39	.275 (6.99)	3
		--	--	7.2	.18	--	--	--	--	9.2	.24	10	.26	12	.32	--	--	15	.40	20	.52	.350 (8.89)	4
		--	--	9.0	.22	--	--	--	--	11	.30	12	.32	15	.40	--	--	19	.50	25	.65	.425 (10.80)	5
		--	--	11	.27	--	--	--	--	14	.36	15	.39	18	.48	--	--	23	.60	30	.78	.500 (12.70)	6
50V (voltage code=2)		1.2	.030	1.5	.040	1.7	.040	1.7	.040	1.9	.050	2.1	.055	2.7	.070	2.7	.070	3.3	.080	4.5	.11	.150 (3.81)	1
		2.4	.060	3.0	.080	3.4	.080	3.4	.080	3.8	.10	4.2	.11	5.4	.14	5.4	.14	6.6	.16	9.0	.22	.220 (5.59)	2
		3.6	.090	4.5	.12	5.1	.12	5.1	.12	5.7	.15	6.3	.16	8.1	.21	8.1	.21	10	.24	13	.33	.310 (7.87)	3
		--	--	6.0	.16	--	--	--	--	7.6	.20	8.4	.22	10	.28	--	--	13	.32	18	.44	.400 (10.16)	4
		--	--	7.5	.20	--	--	--	--	9.5	.25	10	.27	13	.35	--	--	16	.40	22	.55	.490 (12.45)	5
		--	--	--	--	--	--	--	--	11	.30	12	.33	16	.42	--	--	19	.48	27	.66	.580 (14.73)	6
100V voltage code=3)		.75	.020	1.0	.025	1.1	.030	1.1	.030	1.2	.035	1.4	.040	1.8	.050	1.8	.050	2.2	.060	3.0	.080	.160 (4.06)	1
		1.5	.040	2.0	.050	2.2	.060	2.2	.060	2.4	.070	2.8	.080	3.6	.10	3.6	.10	4.4	.12	6.0	.16	.280 (7.11)	2
		--	--	3.0	.075	--	--	--	--	3.6	.10	4.2	.12	5.4	.15	--	--	6.6	.18	9.0	.24	.400 (10.16)	3
		--	--	4.0	.10	--	--	--	--	4.8	.14	5.6	.16	7.2	.20	--	--	8.8	.24	12	.32	.520 (13.21)	4
		--	--	--	--	--	--	--	--	6.0	.17	7.0	.20	9.0	.25	--	--	11	.30	15	.40	.640 (16.26)	5
		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	.760 (19.30)	6
200V (voltage code=4)		.22	.012	.30	.016	.36	.018	.36	.018	.39	.020	.42	.022	.60	.027	.60	.030	.70	.036	1.0	.047	.160 (4.06)	1
		.44	.024	.60	.032	.72	.036	.72	.036	.78	.040	.84	.044	1.2	.054	1.2	.060	1.4	.072	2.0	.094	.280 (7.11)	2
		--	--	.90	.048	--	--	--	--	1.1	.060	1.2	.066	1.8	.071	--	--	2.1	.11	3.0	.14	.400 (10.16)	3
		--	--	1.2	.064	--	--	--	--	1.5	.080	1.7	.088	2.4	.11	--	--	2.8	.14	4.0	.19	.520 (13.24)	4
		--	--	--	--	--	--	--	--	1.9	.10	2.1	.11	3.0	.13	--	--	3.5	.18	5.0	2.3	.640 (16.26)	5
		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	.760 (19.30)	6
500V (voltage code=6)		.11	.0060	.14	.0075	.15	.0080	.15	.0080	.18	.010	.19	.011	.25	.013	.25	.013	.30	.016	.42	.022	.160 (4.06)	1
		.22	.012	.28	.015	.30	.016	.30	.016	.36	.020	.38	.022	.50	.026	.50	.026	.60	.032	.84	.044	.280 (7.11)	2
		--	--	.42	.022	--	--	--	--	.54	.030	.57	.033	.75	.039	--	--	.90	.048	1.2	.066	.400 (10.16)	3
		--	--	.56	.030	--	--	--	--	.72	.040	.76	.044	1.0	.052	--	--	1.2	.064	1.6	.088	.520	4



Stacked Capacitors

																					(13.21)	
	--	--	--	--	--	--	--	--	.90	.050	.95	.055	1.2	.065	--	--	1.5	.080	2.1	.11	.640 (16.26)	5
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	.760 (19.30)	6
Dimensions inches (mm)	.215 (5.46)	.185 (4.70)	.300 (7.62)	.355 (9.02)	.235 (5.97)	.275 (6.99)	.310 (7.87)	.400 (10.16)	.300 (7.62)	.375 (9.53)	C ± .025 (0.64)											
	.215 (5.46)	.275 (6.99)	.180 (4.57)	.150 (3.81)	.275 (6.99)	.275 (6.99)	.270 (6.86)	.220 (5.59)	.330 (8.38)	.375 (9.53)	D (Max) Width											
	.240 (6.10)	.210 (5.33)	.325 (8.26)	.380 (9.65)	.260 (6.60)	.300 (7.62)	.335 (8.51)	.425 (10.80)	.325 (8.26)	.400 (10.16)	E (Max) Length											
Leads per Side	2	3	2	2	3	3	3	2	3	4												
Chip Size	2018	1725	2917	3415	2225	2627	3026	3920	2832	3736												

- Notes:**
1. "B" height dimensions are based on commonly ordered parts. Custom heights are available.
 2. 75V parts are also available. Capacitance values of 75V parts are half-way between 50V and 100V parts.
 3. Vertical stacks are sometimes useful for reducing the footprint; for availability, consult factory.

X7R and NPO Maximum Capacitance (µF)

PRESIDIO CASE SIZE																		"B" Ht. Max. inch (mm)	No. of Cap per stack	
Case Code	02		03		07		37		05		04		48		44		13			
Dielectric	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R			NPO
25V (voltage code=1)	5.6	.14	6.0	.15	6.5	.17	6.5	.17	7.0	.16	8.0	.20	8.0	.20	13	.33	20	.50	.150 (3.81)	1
	11	.28	12	.30	13	.34	13	.34	14	.32	16	.40	16	.40	26	.66	40	1.0	.200 (5.08)	2
	17	.42	18	.45	19	.51	19	.51	21	.48	24	.60	26	.60	39	1.0	60	1.5	.275 (6.99)	3
	22	.56	24	.60	26	.68	26	.68	28	.64	32	.80	32	.80	52	1.3	80	2.0	.350 (8.89)	4
	28	.70	30	.75	32	.85	32	.85	35	.80	40	1.0	40	1.0	65	1.6	100	2.5	.425 (10.80)	5
	33	.84	36	.90	39	1.0	39	1.0	42	.96	48	1.2	48	1.2	78	2.0	120	3.0	.500 (12.70)	6
50V (voltage code=2)	4.7	.12	5.0	.13	5.6	.14	5.6	.14	5.6	.14	6.8	.17	6.8	.17	10	.27	18	.40	.150 (3.81)	1
	9.4	.24	10	.26	11	.28	11	.28	11	.28	13	.34	13	.34	20	.54	36	.80	.220 (5.59)	2
	14	.36	15	.39	16	.42	16	.42	17	.42	20	.51	20	.51	30	.71	54	1.2	.310 (7.87)	3
	19	.48	20	.52	22	.56	22	.56	22	.56	27	.68	27	.68	40	1.1	72	1.6	.400 (10.16)	4
	23	.60	25	.65	28	.70	28	.70	28	.70	34	.85	34	.85	50	1.3	90	2.0	.490 (12.45)	5
	28	.72	30	.78	33	.84	33	.84	33	.84	41	1.0	41	1.0	60	1.6	110	2.4	.580 (14.73)	6
100V (voltage code=3)	3.2	.085	3.3	.090	3.7	.10	3.7	.10	4.0	.10	4.5	.12	4.5	.12	7.0	.20	12	.30	.160 (40.6)	1
	6.4	.17	6.6	.18	7.4	.20	7.4	.20	8.0	.20	9.0	.24	9.0	.24	14	.40	24	.60	.280 (7.11)	2
	9.6	.25	10	.27	11	.30	11	.30	12	.30	13	.36	13	.36	21	.60	36	.90	.400 (10.16)	3
	12	.34	13	.36	15	.40	15	.40	16	.40	18	.48	18	.48	28	.80	48	1.2	.520 (13.21)	4
	16	.42	16	.45	18	.50	18	.50	20	.50	22	.60	22	.60	35	1.0	60	1.5	.640	5



Stacked Capacitors

																				(16.26)	
	--	--	--	--	--	--	--	--	--	--	--	--	--	27	.72	42	1.2	72	1.8	.760 (19.30)	6
200V (voltage code=4)	1.0	.050	1.0	.050	1.2	.060	1.2	.060	1.2	.056	1.5	.075	1.5	.075	2.2	.12	3.5	.18	.160 (4.06)	1	
	2.0	.10	2.0	.10	2.4	.12	2.4	.12	2.4	.11	3.0	.15	3.0	.15	4.4	.24	7.0	.36	.280 (7.11)	2	
	3.0	.15	3.0	.15	3.6	.18	3.6	.18	3.6	.17	4.5	.22	4.5	.22	6.6	.36	10	.54	.400 (10.16)	3	
	4.0	.20	4.0	.20	4.8	.24	4.8	.24	4.8	.22	6.0	.30	6.0	.30	8.8	.48	14	.72	.520 (13.24)	4	
	5.0	.25	5.0	.25	6.0	.30	6.0	.30	6.0	.28	7.5	.37	7.5	.37	11	.60	17	.90	.640 (16.26)	5	
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.0	.44	13	.72	21	1.1	.760 (19.30)
500V (voltage code=6)	.44	.024	.46	.025	.50	.027	.50	.027	.55	.028	.60	.035	.60	.035	1.0	.056	1.6	.080	.160 (4.06)	1	
	.88	.048	.92	.050	1.0	.054	1.0	.054	1.1	.056	1.2	.07	1.2	.07	2.0	.11	3.2	.16	.280 (7.11)	2	
	1.3	.072	1.3	.075	1.5	.071	1.5	.071	1.6	.084	1.8	.10	1.8	.10	3.0	.16	4.8	.24	.400 (10.16)	3	
	1.7	.096	1.8	.10	2.0	.11	2.0	.11	2.2	.11	2.4	.14	2.4	.14	4.0	.22	6.4	.32	.520 (13.21)	4	
	2.2	.12	2.3	.12	2.5	.13	2.5	.13	2.7	.14	3.0	.17	3.0	.17	5.0	.28	8.0	.40	.640 (16.26)	5	
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.6	.21	6.0	.33	9.6	.48	.760 (19.30)
Dimensions inches (mm)	.350 (8.89)	.415 (10.54)	.375 (9.53)	.550 (13.97)	.400 (10.16)	.475 (12.07)	.400 (10.16)	.375 (9.53)	.450 (11.43)	C ± .025 (0.64)											
	.400 (10.16)	.385 (9.78)	.425 (10.80)	.310 (7.87)	.425 (10.80)	.420 (10.67)	.500 (12.70)	.825 (20.96)	1.075 (27.31)	D (Max) Width											
	.375 (9.53)	.440 (11.18)	.400 (10.16)	.575 (14.61)	.440 (11.18)	.500 (12.70)	.425 (10.80)	.400 (10.16)	.500 (12.70)	E (Max) Length											
Leads per Side	4	4	4	3	4	4	5	8	10												
Chip Size	3439	4036	3640	5330	3941	4540	3949	3680	4399												

Notes:

1. "B" height dimensions are based on commonly ordered parts. Custom heights are available.
2. 75V parts are also available. Capacitance values of 75V parts are half-way between 50V and 100V parts.
3. Vertical stacks are sometimes useful for reducing the footprint; for availability, consult factory.

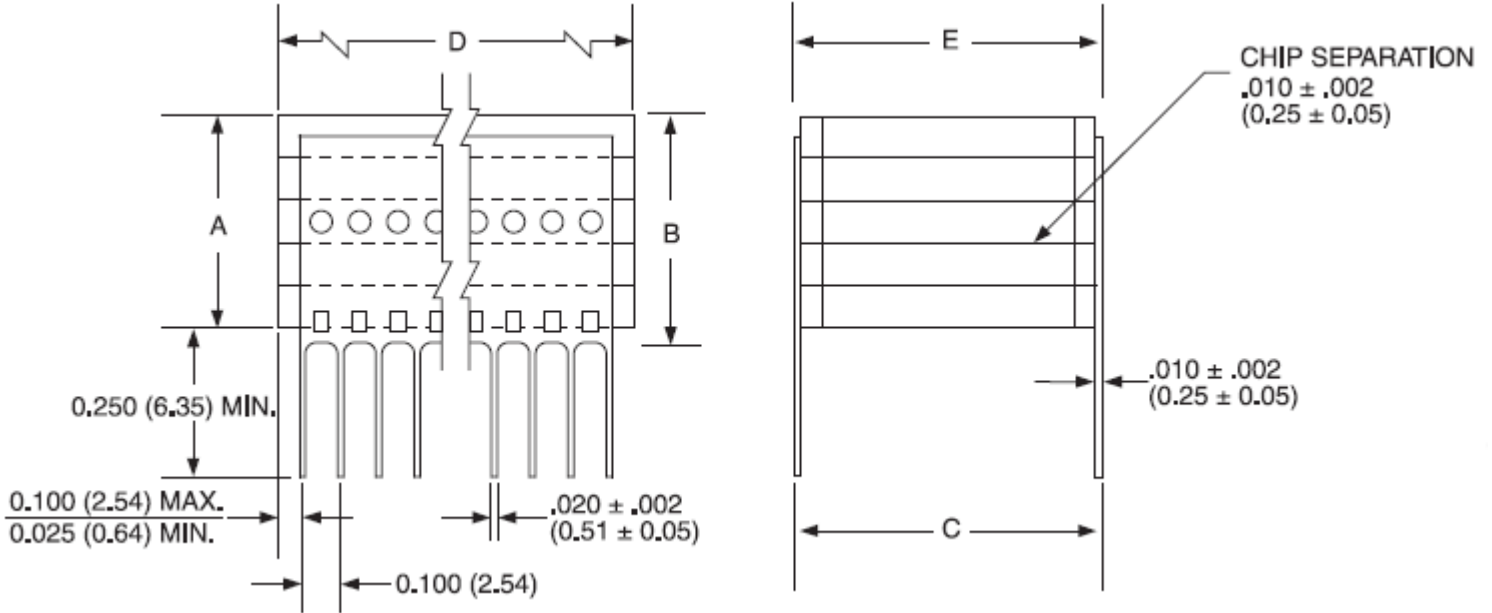


Stacked Capacitors

Presidio Lead Style and Dimensions

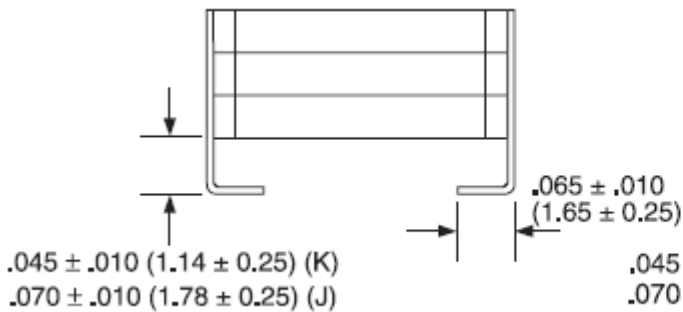
N Style

Through-hole straight leads
inches (mm)



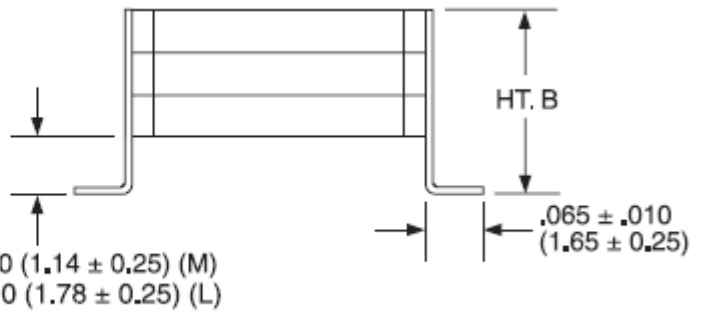
J and K Style

Leads bent under device
inches (mm)



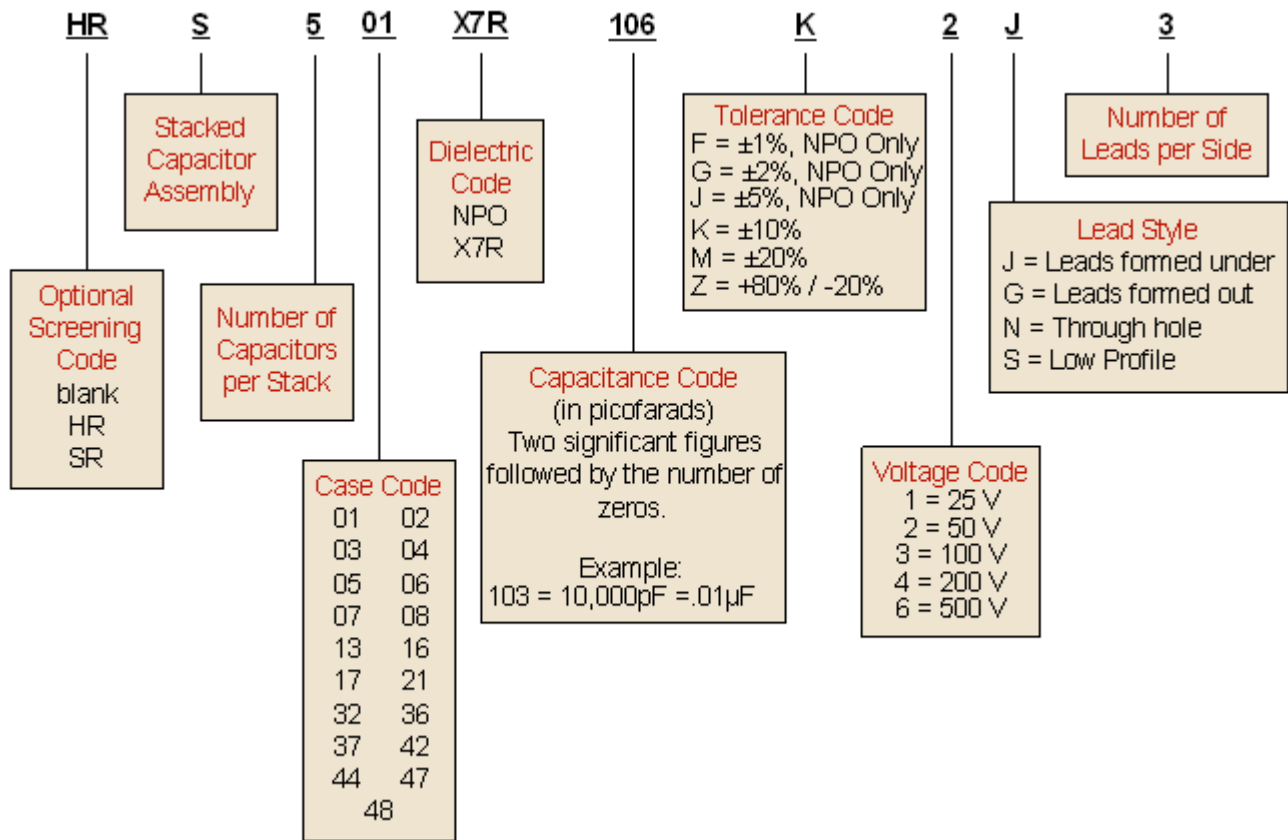
L and M Style

Leads bent away from device
inches (mm)



Stacked Capacitors

How To Order



Consult factory for other voltages, capacitance options and parts outside a given range.

The above example is of Presidio's Manufacturing part number.

If a shorter part number is desired, use our conversion tool to create our Global part number.