HIGH VOLTAGE STACKED CAPACITORS
PRESIDIO COMMON SIZES - X7R AND NPO MAXIMUM CAPACITANCE (µF)
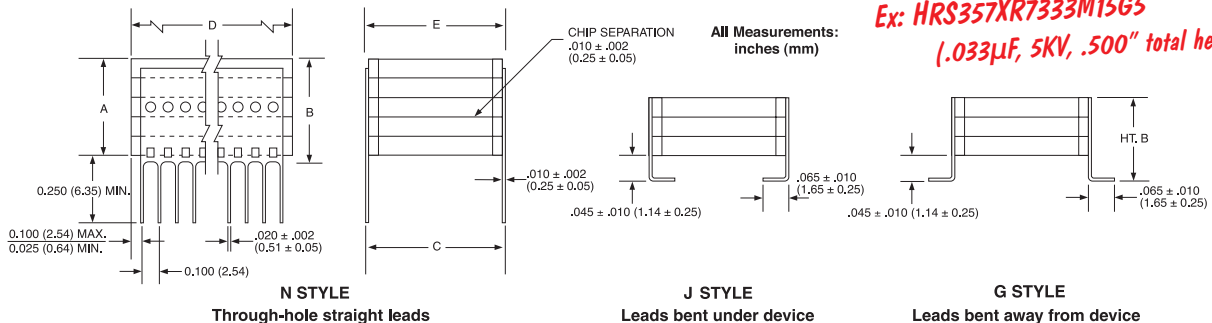
Ex: HRS156NP0303K9J6
(.03µF, 1KV, .200" total height)

Ex: HRS358X7R214K13N6
(.21µF, 3KV, .500" total height)

Case Code	52 X7R	52 NPO	53 X7R	53 NPO	37 X7R	37 NPO	54 X7R	54 NPO	55 X7R	55 NPO	56 X7R	56 NPO	57 X7R	57 NPO	58 X7R	58 NPO	"B" Ht. Max. inch (mm)	No. of Chips per Stack
1000V (Voltage Code=9)	.040	.0036	.080	.0075	.12	.010	.16	.014	.25	.022	.35	.030	.38	.033	.70	.060	.200 (5.08)	1
	.080	.0072	.16	.015	.24	.020	.32	.028	.50	.044	.70	.060	.76	.066	1.4	.12	.350 (8.89)	2
	.12	.011	.24	.022	.36	.030	.48	.042	.75	.066	1.0	.090	1.1	.10	2.1	.18	.500 (12.70)	3
	.16	.014	.32	.030	.48	.040	.64	.056	1.0	.088	1.4	.12	1.5	.13	2.8	.24	.650 (16.51)	4
2000V (Voltage Code=11)	.0080	.00075	.019	.0017	.027	.0024	.035	.0032	.055	.0050	.080	.0070	.090	.0082	.17	.015	.200 (5.08)	1
	.016	.0015	.038	.0034	.054	.0048	.070	.0064	.11	.010	.16	.014	.18	.016	.34	.030	.350 (8.89)	2
	.024	.0022	.057	.0051	.081	.0072	.10	.0096	.16	.015	.24	.021	.27	.024	.51	.045	.500 (12.70)	3
	.032	.0030	.076	.0068	.10	.0096	.14	.013	.22	.020	.32	.028	.36	.033	.68	.060	.650 (16.51)	4
3000V (Voltage Code=13)	—	—	.0070	.00065	.011	.0010	.014	.0013	.022	.0021	.033	.0030	.039	.0035	.070	.0065	.200 (5.08)	1
	—	—	.014	.0013	.022	.0020	.028	.0026	.044	.0042	.066	.0060	.078	.0070	.14	.013	.350 (8.89)	2
	—	—	.021	.0019	.033	.0030	.042	.0039	.066	.0063	.10	.0090	.11	.010	.21	.019	.500 (12.70)	3
	—	—	.028	.0026	.044	.0040	.056	.0052	.088	.0084	.13	.012	.15	.014	.28	.026	.650 (16.51)	4
4000V (Voltage Code=14)	—	—	—	—	.0055	.00050	.007	.00060	.012	.0010	.017	.0015	.020	.0018	.039	.0035	.200 (5.08)	1
	—	—	—	—	.011	.0010	.014	.0012	.024	.0020	.034	.0030	.040	.0036	.078	.0070	.350 (8.89)	2
	—	—	—	—	.016	.0015	.021	.0018	.036	.0030	.051	.0045	.060	.0054	.11	.010	.500 (12.70)	3
	—	—	—	—	.022	.0020	.028	.0024	.048	.0040	.068	.0060	.080	.0072	.15	.014	.650 (16.51)	4
5000V (Voltage Code=15)	—	—	—	—	.0030	.00033	.0040	.00042	.0065	.00070	.0090	.0010	.011	.012	.022	.0024	.200 (5.08)	1
	—	—	—	—	.0060	.00066	.0080	.00084	.013	.0014	.018	.0020	.022	.024	.044	.0048	.350 (8.89)	2
	—	—	—	—	.0090	.0010	.012	.0012	.019	.0021	.027	.0030	.033	.036	.066	.0072	.500 (12.70)	3
	—	—	—	—	.012	.0013	.016	.0016	.026	.0028	.036	.0040	.044	.048	.088	.0096	.650 (16.51)	4
Dimensions inches (mm)	.300 (7.62)		.415 (10.54)		.550 (13.97)		.500 (12.70)		.600 (15.24)		.700 (17.78)		.975 (24.77)		1.375 (34.93)		C ± .025 (0.64)	
	.260 (6.60)		.350 (8.89)		.320 (8.13)		.460 (11.68)		.560 (14.22)		.660 (16.76)		.520 (13.21)		.670 (17.02)		D (Max) Width	
	.325 (8.26)		.440 (11.18)		.580 (14.73)		.525 (13.34)		.625 (15.88)		.725 (18.42)		1.000 (25.40)		1.400 (35.56)		E (Max) Length	
Leads per Side	3		4		3		4		5		6		5		6		Height dimensions based on commonly ordered parts. Optimized heights available.	
Chip Size	2824		3933		5330		4844		5854		6864		9650		13565			

Note: Other sizes, capacitances, lead frames, and voltage ratings are available. Consult factory.

PRESIDIO LEAD STYLE AND DIMENSIONS

Ex: HRS357XR7333M15G5
(.033µF, 5KV, .500" total height)

CHIP SEPARATION
.010 ± .002
(0.25 ± 0.05)

All Measurements: inches (mm)

.010 ± .002
(0.25 ± 0.05)

.045 ± .010 (1.14 ± 0.25)

.065 ± .010
(1.65 ± 0.25)

.045 ± .010 (1.14 ± 0.25)

.065 ± .010
(1.65 ± 0.25)

HT. B

0.250 (6.35) MIN.

0.100 (2.54) MAX.
0.025 (0.64) MIN.

.020 ± .002
(0.51 ± 0.05)

0.100 (2.54)

N STYLE
Through-hole straight leads

J STYLE
Leads bent under device

G STYLE
Leads bent away from device

HOW TO ORDER OUR HIGH VOLTAGE STACKED CAPACITORS

HR	S	3	52	X7R	124	K	9	J	3
Optional Screening Code	Configuration	No. of Chips	Case Code	Dielectric Type	Capacitance Code	Capacitance Tolerance *	Voltage Code	Lead Frame Style	No. of Leads
Leave Blank for Commercial HR SR (See pg. 7)	Stacked Capacitor Assembly	Number of Chips per Stack	See Above	X7R NPO N2T	Capacitance (in picofarads): Two significant figures followed by the number of zeros. Examples: 103=10,000 pF=.01 µF 124=120,000 pF=.12 µF	F = ± 1% (NPO only) G = ± 2% (NPO only) J = ± 5% (NPO only) K = ± 10% M = ± 20% Z = -20% /+80%	9 = 1000V 11 = 2000V 13 = 3000V 14 = 4000V 15 = 5000V	J = Leads formed under G = Leads formed out N = Through-hole S = See pages 12 & 13	Number of Leads per Side (See Above)

NOTE: Other sizes, capacitances, lead frames, dielectrics (BP, BX, BR, BQ), and voltage ratings are available. Consult factory.

* Unless otherwise specified. Customer SCD takes precedence.

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