

## Low Profile 'S' Lead Capacitors

### Low Profile • Low Standoff

#### Applications:

- Industrial
- Military
- Space

#### Features:

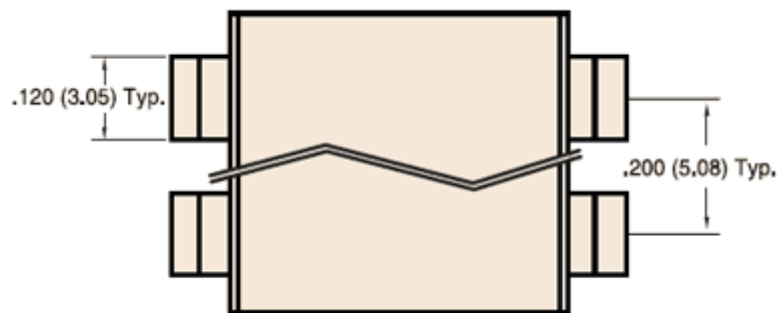
- Low Center of Gravity
- Excellent thermal coefficient of expansion compliance with board
- Tested to 49470
- Available in most chip sizes



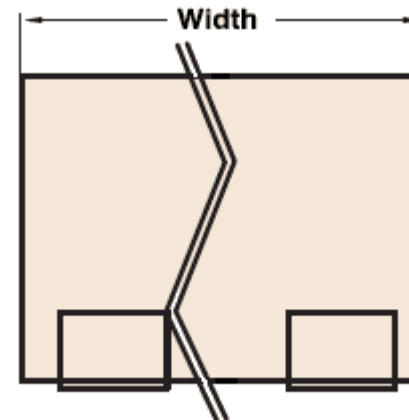
#### Ceramic Type:

- NPO, NPQ, N2T, BX or X7R

**Top View**



**End View**



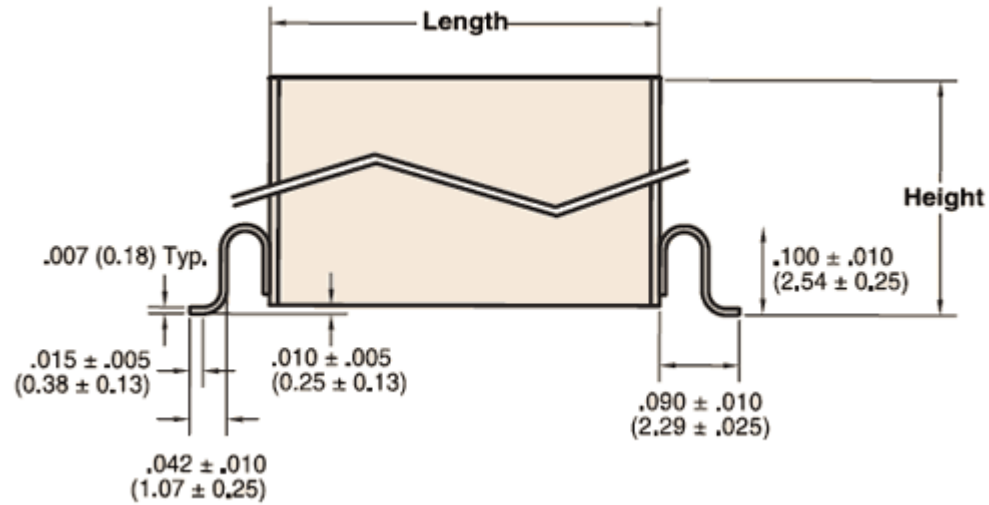
PRESIDIO COMPONENTS, INC.

7169 Construction Court, San Diego, CA 92121 USA • Tel: 858-578-9390 • Fax: 800-538-3880 or 858-578-6225  
Web: [www.presidiocomponents.com](http://www.presidiocomponents.com) • Email: [info@presidiocomponents.com](mailto:info@presidiocomponents.com)

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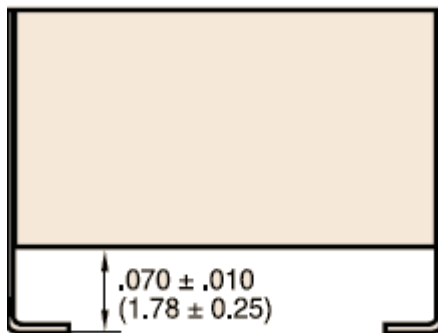
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#### Side View

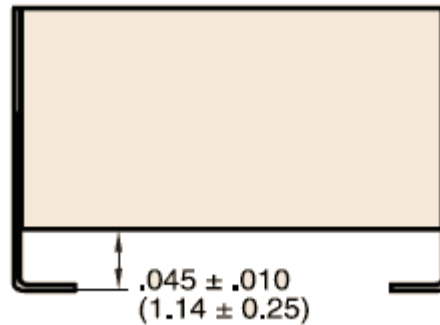


#### Low Standoff Comparison

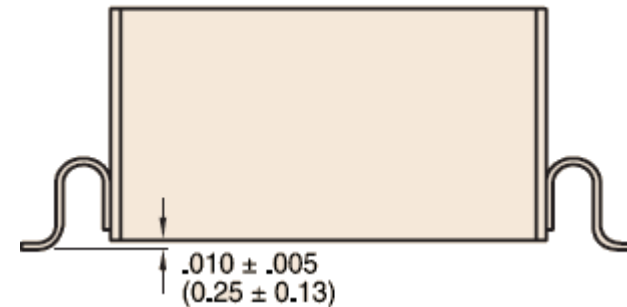
MIL-PRF-49470  
Standard 'J' Lead Style



MIL-PRF-49470  
Standard 'K' Lead Style



MIL-PRF-49470  
Low Profile 'S' Lead Style



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**Low Profile 'S' Lead Capacitors**  
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**MIL-PRF-49470 Style Case Sizes**  
**Maximum Capacitance**

49470 Case Size	Style 5		Style 4		Style 3		Height B inches (mm)	# of Chips (per stack)
Presidio Case Size	01		05		13			
Dielectric	BX/BR/BQ ( $\mu$ F)	BP ( $\mu$ F)	BX/BR/BQ ( $\mu$ F)	BP ( $\mu$ F)	BX/BR/BQ ( $\mu$ F)	BP ( $\mu$ F)		
50V (BX)	1.2	0.056	3.0	0.12	10	0.39	0.135 (3.43)	1
	2.2	0.10	6.0	0.27	18	0.82	0.255 (6.48)	2
	3.3	0.15	8.2	0.33	33	1.2	0.375 (9.53)	3
	--	--	12	0.47	39	1.8	0.495 (12.57)	4
	--	--	15	0.56	47	2.2	0.665 (16.89)	5
100V (BX)	0.68	0.039	105	0.10	5.6	0.33	0.135 (3.43)	1
	1.2	0.082	2.7	0.22	12	0.68	0.255 (6.48)	2
	1.8	0.12	4.7	0.27	18	1.0	0.375 (9.53)	3
	--	--	6.8	0.39	22	1.5	0.495 (12.57)	4
	--	--	8.2	0.56	27	1.8	0.665 (16.89)	5
200V (BR)	0.27	0.022	0.68	0.068	2.7	0.18	0.135 (3.43)	1
	0.56	0.039	1.5	0.10	5.6	0.39	0.255 (6.48)	2
	0.82	0.056	2.2	0.15	8.2	0.56	0.375 (9.53)	3
	--	--	3.3	0.22	10	0.68	0.495 (12.57)	4
	--	--	3.9	0.27	12	1.0	0.665 (16.89)	5
500V (BQ)	0.15	0.010	0.39	0.022	1.0	0.082	0.135 (3.43)	1
	0.27	0.018	0.68	0.039	2.2	0.18	0.255 (6.48)	2
	0.47	0.027	1.2	0.068	3.9	0.27	0.375 (9.53)	3
	--	--	1.5	0.10	4.7	0.33	0.495 (12.57)	4
	--	--	1.8	0.12	5.6	0.39	0.665 (16.89)	5
C $\pm$ .025 inch ( $\pm$ .64 mm)	0.250 (6.35)		0.400 (10.16)		0.450 (11.43)			
D Max. inches (mm)	0.275 (6.99)		0.425 (10.80)		1.075 (27.31)			
E Max. inches (mm)	0.300 (7.62)		0.440 (11.18)		1.075 (27.31)			
Leads per Side	1		2		5			



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**Presidio Case Sizes**  
**X7R and NPO Dielectric**  
**Maximum Capacitance**

Presidio Case Size	01		05		13		Height B inches (mm)	# of Chips (per stack)
Chip Size	2627		3941		4399			
Dielectric	X7R (μF)	NPO (μF)	X7R (μF)	NPO (μF)	X7R (μF)	NPO (μF)		
25V	2.5	0.065	7.0	0.16	20	0.5	0.110 (2.79)	1
	5.0	0.13	14	0.32	40	1.0	0.160 (4.06)	2
	7.5	0.19	21	0.48	60	1.5	0.235 (5.97)	3
	10	0.26	28	0.64	80	2.0	0.310 (7.87)	4
	--	--	35	0.80	100	2.5	0.385 (9.78)	5
	--	--	42	0.96	120	3.0	0.460 (11.68)	6
50V	2.1	0.055	5.6	0.14	18	0.4	0.110 (2.79)	1
	4.2	0.11	11	0.28	36	0.8	0.180 (4.57)	2
	6.3	0.16	17	0.42	54	1.2	0.270 (6.86)	3
	8.4	0.22	22	0.56	72	1.6	0.360 (9.14)	4
	--	--	28	0.70	90	2.0	0.450 (11.43)	5
	--	--	33	0.84	110	2.4	0.540 (13.72)	6
100V	1.4	0.04	4.0	0.10	12	0.3	0.120 (3.05)	1
	2.8	0.08	8.0	0.20	24	0.6	0.240 (6.10)	2
	4.2	0.12	12	0.30	36	0.9	0.360 (9.14)	3
	--	--	16	0.40	48	1.2	0.480 (12.19)	4
	--	--	20	0.50	60	1.5	0.600 (15.24)	5
	--	--	--	--	72	1.8	0.720 (18.29)	6
200V	0.42	0.022	1.2	0.056	3.5	0.18	0.120 (3.05)	1
	0.84	0.044	2.4	0.11	7.0	0.36	0.240 (6.10)	2
	1.2	0.066	3.6	0.17	10	0.54	0.360 (9.14)	3
	--	--	4.8	0.22	14	0.72	0.480 (12.19)	4
	--	--	6.0	0.28	17	0.90	0.600 (15.24)	5
	--	--	--	--	21	1.10	0.720 (18.29)	6
500V	0.19	0.011	0.55	0.028	1.6	0.08	0.120 (3.05)	1
	0.38	0.022	1.1	0.056	3.2	0.16	0.240 (6.10)	2
	0.57	0.033	1.6	0.084	4.8	0.24	0.360 (9.14)	3



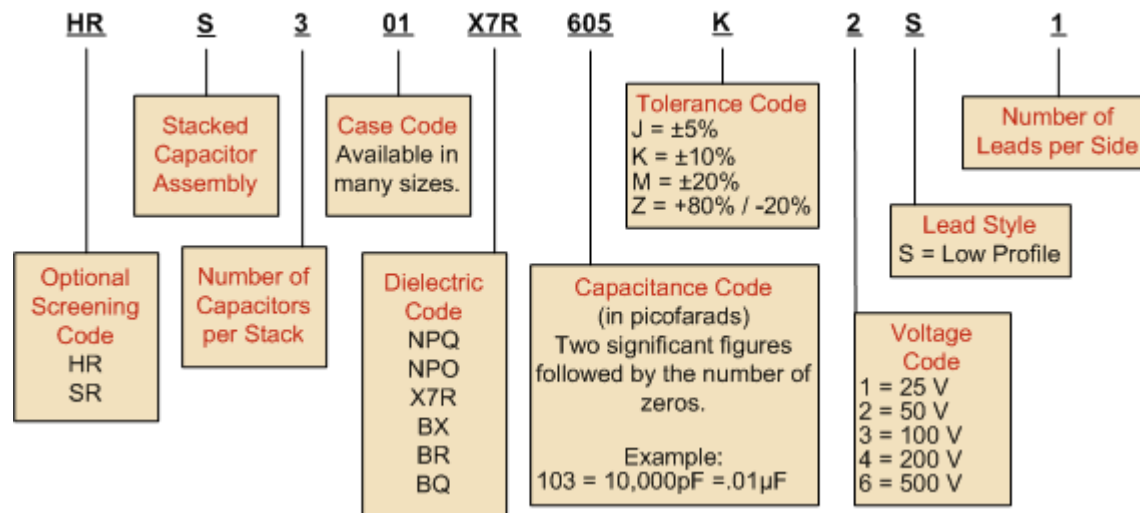
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	--	--	2.2	0.11	6.4	0.32	0.480 (12.19)	4
	--	--	2.7	0.14	8.0	0.40	0.600 (15.24)	5
	--	--	--	--	9.6	0.48	0.720 (18.29)	6
C ± .025 inch (± .64 mm)	0.275 (6.99)		0.400 (10.16)		0.450 (11.43)			Height dimensions based on commonly ordered parts. Custom heights available.
D Max. inches (mm)	0.275 (6.99)		0.425 (10.80)		1.075 (27.31)			
E Max. inches (mm)	0.300 (7.62)		0.440 (11.18)		0.500 (12.70)			
Leads per Side	1		2		5			

**Notes:**

- 75V parts are also available. Capacitance values of 75V parts are half-way between 50V and 100V.
- Other sizes and capacitance values available. Consult factory.

### 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.*

