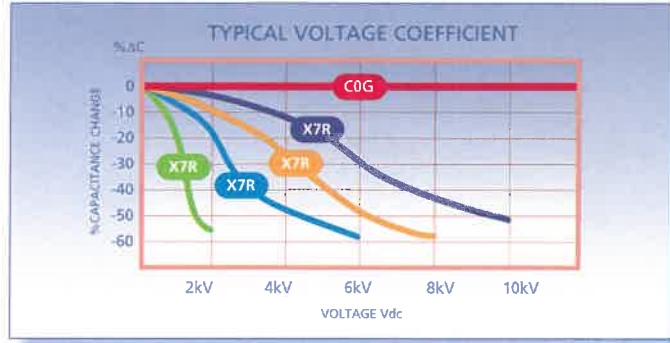


High Reliability Radial Lead 500V to 10kV

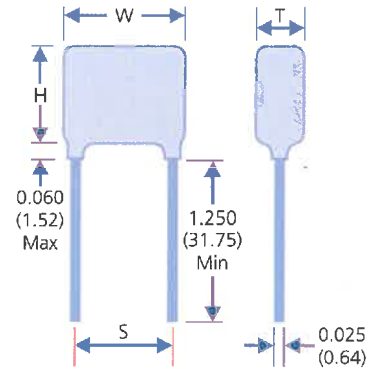
Radial Leaded Capacitors available in C0G and X7R characteristics with special testing for long term reliability. The conformal coating and lead mounting style provide a rugged configuration for optimum performance. Units may be tested to MIL-PRF-49467 and/or MIL-PRF-39014 and find application for High Reliability use such as power supplies, voltage multiplier circuits, aerospace, airborne and military use for radar. They are also offered without the conformal coating for less harsh environmental applications, and as RoHS compliant parts upon request.

- For dielectric characteristics see pages 4 & 6.
- For capacitance tolerances available see page 15.
- For ordering information see page 26.



Dimensions - inches/mm

Lead Style	LE with conformal coating - LO without coating							
	Size	1515	2520	3530	4540	5550	6560	7565
Wmax	inches: mm:	0.250 6.35	0.400 10.20	0.500 12.70	0.600 15.20	0.700 17.80	0.800 20.30	0.900 22.80
Hmax	inches: mm:	0.250 6.35	0.350 8.89	0.450 11.40	0.550 14.0	0.650 16.50	0.750 19.0	0.850 21.60
Tmax	inches: mm:	0.200 5.08	0.250 6.35	0.350 8.89	0.400 10.20	0.400 10.20	0.400 10.20	0.400 10.20
S	inches ±0.02: mm ±0.51:	0.170 4.32	0.280 7.10	0.380 9.65	0.480 12.20	0.580 14.70	0.680 17.30	0.780 19.80



Capacitance and Voltage Selection

Size	1515		2520		3530		4540		5550		6560		7565	
Min cap.	3R0	151	390	102	390	102	390	102	390	102	560	222	101	222
Dielectric	C0G	X7R	C0G	X7R	C0G	X7R	C0G	X7R	C0G	X7R	C0G	X7R	C0G	X7R
500V	682	823	183	274	473	684	823	155	124	185	224	275	274	395
600V	682	563	183	184	393	474	823	824	124	155	184	225	274	275
800V	472	333	123	124	333	334	683	684	104	125	154	185	184	225
1kV	392	183	123	683	273	184	563	474	823	684	124	105	184	125
2kV	122	392	472	153	153	473	273	104	473	184	683	224	823	334
3kV	561	152	222	562	682	223	183	472	273	683	393	104	473	154
4kV	•	•	102	272	272	123	682	223	103	393	153	563	223	823
5kV	•	•	561	182	182	822	472	153	682	273	103	393	123	473
6kV	•	•	•	•	152	562	332	103	472	183	822	273	822	333
7kV	•	•	•	•	821	392	182	682	272	123	392	183	472	273
8kV	•	•	•	•	•	272	122	562	182	103	272	153	392	183
9kV	•	•	•	•	•	•	821	392	122	682	222	123	272	153
10kV	•	•	•	•	•	•	681	332	122	562	182	822	222	123

Note: Maximum capacitance values are shown above as 3 digit code: 2 significant figures followed by the no. of zeros e.g. 183 = 18,000pF. R denotes decimal e.g. 2R7 = 2.7pF.

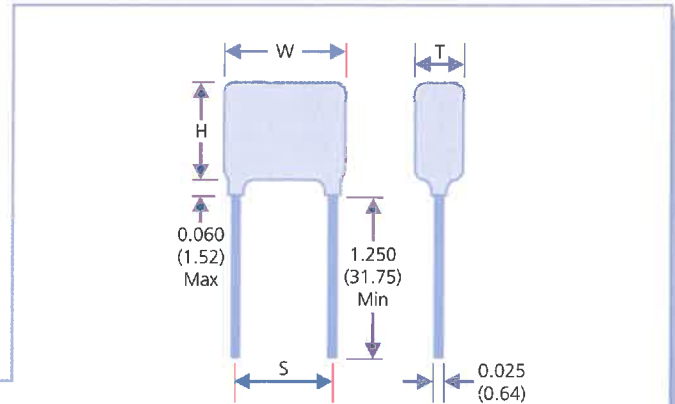
DSCC Approved Radial Lead



A range of High Voltage leaded capacitors available in ten DSCC approved specifications.

The below referenced DSCC (Defense Supply Center Columbus) drawing numbers cover the NPO and X7R dielectrics with a voltage rating from 1kV to 10kVDC.

Novacap Vendor CAGE code is 65238.



Dimensions - inches/mm

Lead Style	LE with conformal coating											
Size	1515	2020	2520	3015	3530	4020	4540	5550	6560	9040	11050	13060
Wmax inches: mm:	0.250 6.35	0.320 8.13	0.370 9.40	0.450 11.43	0.470 11.94	0.550 13.97	0.570 14.48	0.670 17.02	0.770 19.56	1.050 26.67	1.250 31.75	1.450 36.83
Hmax inches: mm:	0.220 5.59	0.280 7.11	0.300 7.62	0.220 5.59	0.400 10.16	0.280 7.11	0.500 12.70	0.600 15.24	0.720 18.29	0.500 12.7	0.600 15.24	0.720 18.29
Tmax inches: mm:	0.200 5.08	0.250 6.35	0.250 6.35	0.270* 6.86	0.270 6.86	0.250 6.35	0.270 6.86	0.270 6.86	0.270 6.86	0.270 6.86	0.270 6.86	0.270 6.86
S ±0.03 inches: ±0.76 mm:	0.170 4.32	0.220 5.59	0.275 6.98	0.300 7.62	0.375 9.53	0.400 10.16	0.475 12.07	0.575 14.61	0.675 17.15	0.900 22.86	1.100 27.94	1.300 33.02

*Maximum thickness for 87076 is 0.200/5.08

Dash Numbers

DSCC#	Rated Voltage	1515	2020	2520	3015	3530	4020	4540	5550	6560	9040	11050	13060
87043	1kV	01-50	51-58	59-60	•	61-70	•	71-78	79-84	85-90	•	•	•
87046	1kV	01-50	51-56	57-58	•	59-66	•	67-74	75-80	81-84	•	•	•
87040	2kV	04-40	41-46	47-50	•	51-60	•	61-66	67-70	71-74	•	75-78	79-82
87047	3kV	•	01-38	39-42	•	43-54	•	55-62	63-64	65-68	•	69-70	71-75
87114	3kV	•	01-44	45-46	•	47-54	•	55-64	65-68	69-72	•	•	•
87076	4kV	•	•	•	01-24	25-50	•	51-58	59-62	63-64	•	•	65-70
89044	4kV	•	•	•	01-24	25-46	•	47-50	51-54	55-60	•	61-62	63-68
87070	5kV	•	•	•	•	•	01-24	25-46	47-50	51-54	55-58	59-60	61-62
87077	5kV	•	•	•	•	•	01-40	•	41-58	59-60	•	•	61-68
87081	10kV	•	•	•	•	•	•	•	•	•	01-22	23-26	27-34

How to Order - The purchase order or contract must specify the following:

1	2	3
The Complete DSCC part number - Drawing Number <i>and</i> Dash Number Example: 87043-47	Whether you want Novacap to perform the Group B Test, or provide a certification of compliance for Group B requirement.	Specify requirements for packaging.