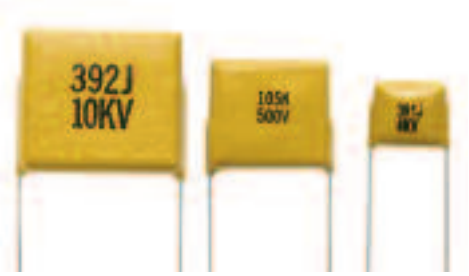
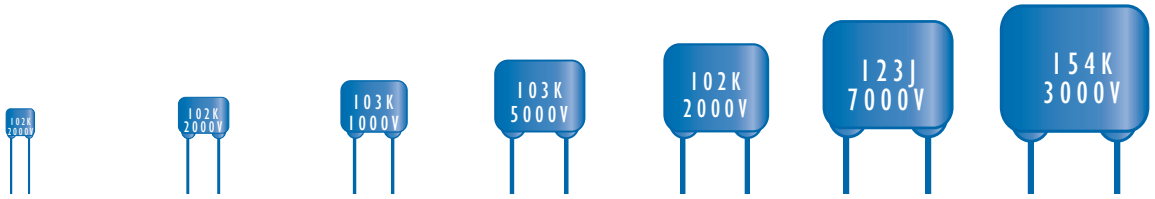
RADIAL LEADED HV - COMMERCIAL



NOVACAP High Voltage Leaded Capacitors are available in COG and X7R characteristics. Conformal coating and lead mounting provide a rugged configuration for optimum performance, with high capacitance efficiency per KV rating. Units are designed for commercial/industrial use to 10 KV, with application in power supply and voltage multiplier circuits. Minimum voltage is 500 Vdc. Higher voltage ratings are available, as well as high reliability versions, with restricted capacitance ranges. Please refer to other NOVACAP literature, or consult the factory.



SIZE	1515	2520	3530	4540	5550	6560	7565
Min Cap(C0G/X7R)	3R0/151	390/102	390/102	390/102	390/102	560/222	101/222
W MAX.	.250 (6.35)	.400 (10.2)	.500 (12.7)	.600 (15.2)	.700 (17.8)	.800 (20.3)	.900 (22.8)
H MAX.	.250 (6.35)	.350 (8.89)	.450 (11.4)	.550 (11.4)	.650 (16.5)	.750 (19.0)	.850 (21.6)
T MAX.	.200 (5.08)	.250 (6.35)	.350 (8.89)	.400 (10.2)	.400 (10.2)	.400 (10.2)	.400 (10.2)
S +/- .030	.170 (4.32)	.280 (7.10)	.380 (9.65)	.480 (12.2)	.580 (14.7)	.680 (17.3)	.780 (19.8)

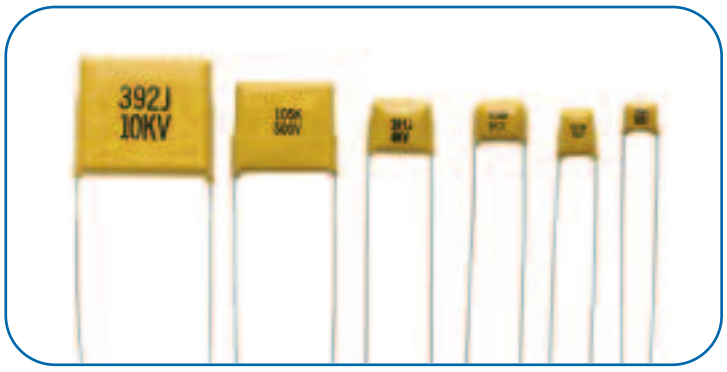
CAPACITANCE & VOLTAGE

3 digit code: two significant digits, followed by number of zeros eg: 183 = 18,000 pF. R denotes decimal, eg. 2R7 = 2.7 pF

MAX CAP@ VOLTAGE

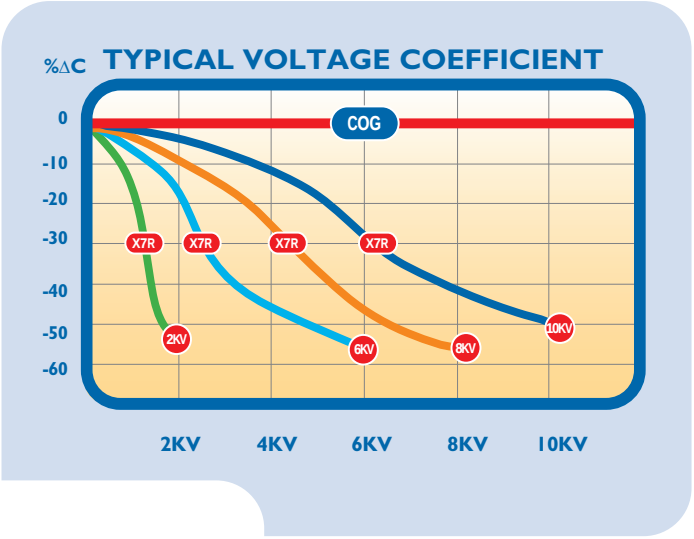
	COG	X7R	COG	X7R	COG	X7R	COG	X7R	COG	X7R	COG	X7R	COG	X7R
500V	822	154	393	684	683	105	124	185	184	225	274	335	334	475
600V	682	124	223	394	393	684	823	155	154	225	224	275	274	395
800V	682	823	183	274	333	394	683	824	124	155	184	225	224	275
1000V	562	563	123	184	273	334	563	684	104	105	154	155	184	225
2000V	272	822	562	273	153	683	333	184	473	274	683	394	104	474
3000V	122	332	272	123	103	273	223	683	333	124	473	184	563	224
4000V	681	122	152	472	562	153	123	333	183	473	273	823	393	104
5000V	•	•	102	272	332	103	822	183	123	333	183	473	223	563
6000V	•	•	•	•	182	562	392	123	562	223	103	333	123	393
7000V	•	•	•	•	122	472	272	822	472	153	682	223	822	273
8000V	•	•	•	•	102	332	222	682	332	123	562	153	682	223
9000V	•	•	•	•	•	272	182	472	272	103	392	123	472	183
10000	•	•	•	•	•	182	152	392	222	682	332	103	392	123

Dimensions in inches; bracketed dimensions in millimeters.



COG DIELECTRIC CHARACTERISTICS

OPERATING TEMPERATURE RANGE:	-55°C to 125°C
TEMPERATURE COEFFICIENT:	0 +/- 30 ppm/°C
DISSIPATION FACTOR:	.001 (0.1%) max @ 25°C
INSULATION RESISTANCE, 25°C 125°C	>100GΩ or >1000ΩF >10GΩ or >100 ΩF
DIELECTRIC WITHSTANDING VOLTAGE: *WHICHEVER IS GREATER	120% VDCW, or 750V*
AGING RATE:	0% per decade
TEST PARAMETERS:	1KHz, 1.0 +/- 0.2 VRMS, 25°C 1MHZ for Capacitance <100pF

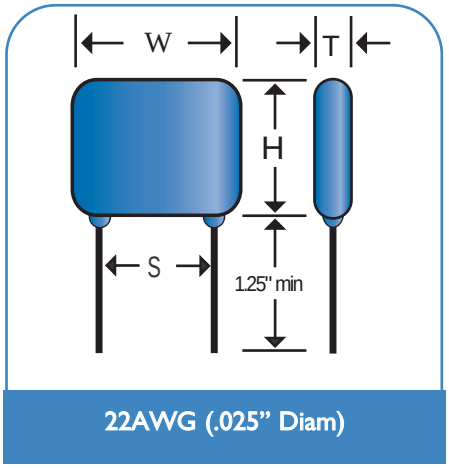


X7R DIELECTRIC CHARACTERISTICS

OPERATING TEMPERATURE RANGE:	-55°C to 125°C
TEMPERATURE COEFFICIENT:	+/-15% ³C Max.
DISSIPATION FACTOR @ 25° C:	.025 (2.5%) max @ 25°C
INSULATION RESISTANCE, 25°C 125°C	>100GΩ or >1000 ΩF >10GΩ or >100 ΩF
DIELECTRIC WITHSTANDING VOLTAGE: *WHICHEVER IS GREATER	120% VDCW, or 750V*
AGING RATE:	< 2.0% per decade
TEST PARAMETERS:	1KHz, 1.0 +/- 0.2 VRMS, 25°C

HOW TO ORDER

4540	B	103	K	302	LE	R
SIZE See Chart	**DIELECTRIC** N = COG B = X7R	**CAPACITANCE** Value in Picofarads Two significant figures, followed by number of zeros: 103 = 10,000pF	**TOLERANCE** J = +/- 5 % K = +/- 10 % M = +/- 20 %	**VOLTAGE-VDCW** Two significant figures, followed by number of zeros: 302 = 3000V	**TERMINALS** LE = Radial Lead with Conformal Coat on chip LO = Radial Lead without Conformal Coat on chip	**ROHS** R = RoHS Compliant



22AWG (.025" Diam)