



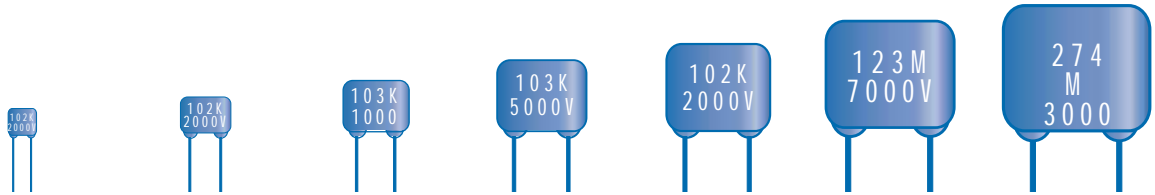
RADIAL LEAD HV CAPACITORS - HIGH RELIABILITY RANGES

HIGH RELIABILITY RANGES



NOVACAP High Voltage Leaded Capacitors with optimum design and special testing for long term reliability are available in COG and X7R characteristics. Conformal coating and lead mounting provide a rugged configuration for optimum performance. Units may be tested to MIL-PRF-49467 and/or MIL-PRF-39014. Applications include aerospace, airborne and military use for

radar, power supplies and voltage multiplier circuits. Higher than cataloged voltage ratings are available. Commercial versions with higher capacitance efficiency per KV are offered, please refer to other NOVACAP literature, or consult the factory.



SIZE	1515	2520	3530	4540	5550	6560	7565
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)	.500 (12.7)
S +/- .030	.170 (4.32)	.280 (7.10)	.380 (9.65)	.480 (12.2)	.580 (14.7)	.680 (17.3)	.780 (19.8)

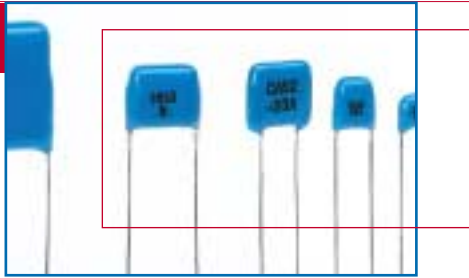
MAXIMUM CAPACITANCE

3 Digit Code: See How to Order

V
O
L
T
A
G
E

	COG	X7R	COG	X7R	COG	X7R	COG	X7R	COG	X7R	COG	X7R	COG	X7R
500V	472	683	153	154	333	334	393	564	563	105	104	155	184	185
600V	392	563	123	124	223	274	393	564	563	105	823	155	124	185
800V	392	473	123	124	153	274	333	564	563	824	823	125	104	185
1000V	332	333	103	104	153	224	333	394	563	684	823	105	104	125
2000V	222	392	682	153	123	473	223	683	393	104	563	154	683	274
3000V	561	122	222	822	562	223	123	333	183	473	333	683	393	124
4000V			152	392	392	123	822	183	123	273	183	393	333	823
5000V			561	222	182	562	272	103	392	183	562	273	103	563
6000V					821	332	182	682	332	103	472	183	562	333
7000V					681	222	122	472	222	822	332	123	472	223
8000V					471	152	122	332	182	682	272	822	472	183
9000V					391	102	821	272	152	562	222	682	392	153
10000V							681	222	122	392	182	562	332	123

Dimensions in inches; bracketed dimensions in millimeters.

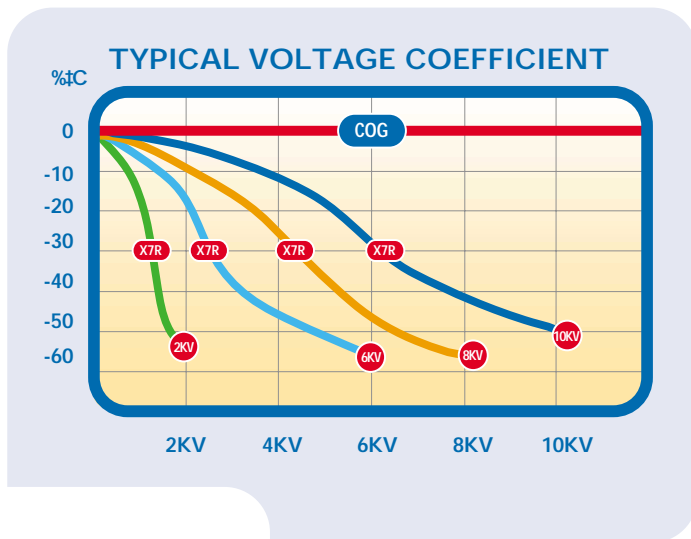


COG DIELECTRIC CHARACTERISTICS

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	>100G or >1000 F
125 C	>10G or >100 F
DIELECTRIC WITHSTANDING VOLTAGE:	120% VDCW, or 750V*
* WHICHEVER IS GREATER	
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% tC Max.
DISSIPATION FACTOR @ 25 C:	.025 (2.5%) max @ 25 C
INSULATION RESISTANCE, 25 C	>100G or >1000 F
125 C	>10G or >100 F
DIELECTRIC WITHSTANDING VOLTAGE:	120% VDCW, or 750V*
* WHICHEVER IS GREATER	
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	H
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 Conformal Coat LO = Radial Lead Uncoated	HIGH RELIABILITY Specify Testing

