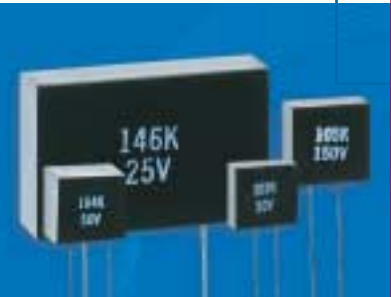


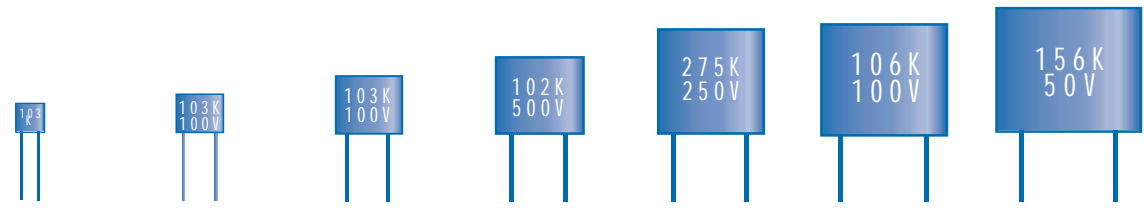


HIGH-TEMP CAPACITORS



NOVACAP manufactures encapsulated capacitors designed to operate to 200 C in both COG and X7R dielectrics for use in very harsh environments, where isolation and protection of the device is required for optimum reliability. Product is available as encapsulated devices with 22 AWG tinned copper leads, in sizes 1515 to 7565, rated to 500 volts, marked with capacitance and voltage ratings. Consult NOVACAP for your specific requirements.

▶ CAPACITANCE SELECTION 3 digit code: two significant digits, followed by number of zeros eg: 183 = 18,000 pF



SIZE	1515	2520	3530	4540	5550	6560	7565
W MAX.	.300 (7.62)	.400 (10.2)	.500 (12.7)	.725 (18.4)	.795 (20.2)	.925 (23.5)	1.125 (28.6)
H MAX.	.300 (7.62)	.400 (10.2)	.500 (12.7)	.500 (12.7)	.745 (18.9)	.750 (19.0)	.750 (19.0)
T MAX.	.150 (3.81)	.200 (5.08)	.265 (6.73)	.325 (8.26)	.350 (8.89)	.350 (8.89)	.375 (9.52)
S +/- .030	.170 (4.32)	.280 (7.10)	.380 (9.65)	.480 (12.2)	.580 (14.7)	.680 (17.3)	.780 (19.8)

MAX CAP & VOLTAGE

200 C - COG DIELECTRIC							
Min Cap	100	390	390	390	390	560	101
25V	333	104	184	274	334	564	684
50V	333	104	184	274	334	474	684
100V	273	823	154	224	224	394	474
250V	153	473	104	154	224	334	474
500V	562	183	473	823	124	184	224

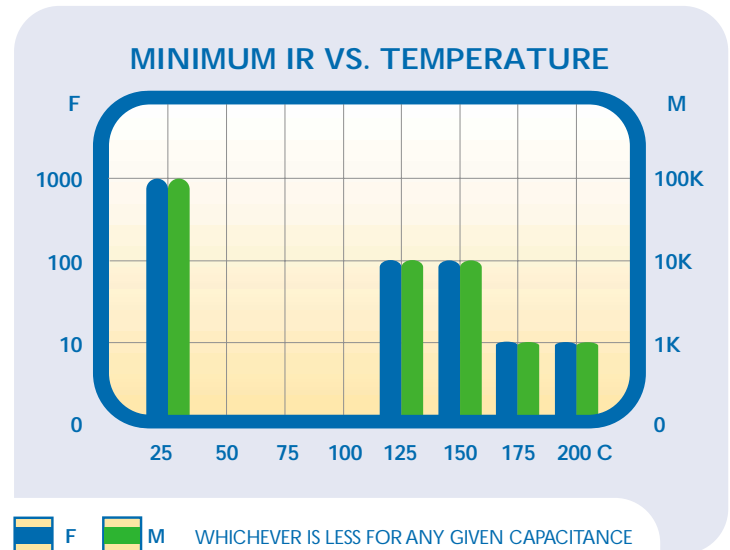
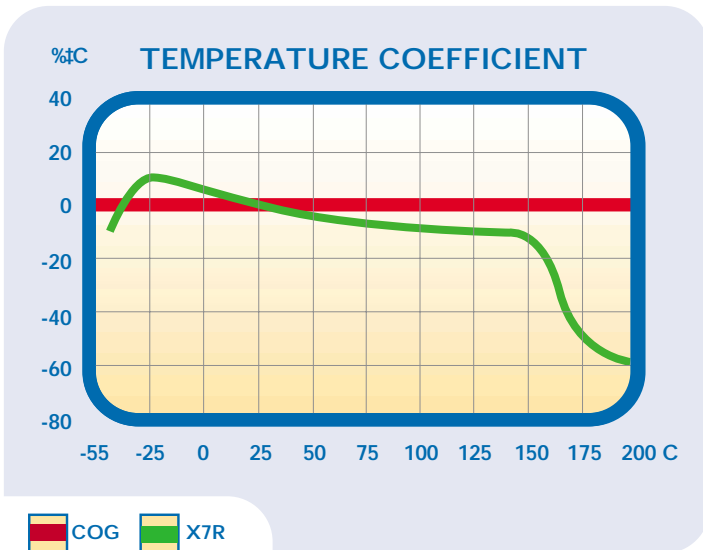
200 C - X7R DIELECTRIC							
Min Cap	102	102	102	102	122	182	272
25V	824	225	395	685	106	156	186
50V	684	225	395	685	825	126	156
100V	564	185	335	565	685	106	126
250V	154	684	155	275	395	565	825
500V	683	184	394	82	155	225	275

COG D CHARACTERISTICS

OPERATING TEMPERATURE RANGE:	-55 C to 200 C
TEMPERATURE COEFFICIENT UP TO 125 C:	0 +/- 30 ppm/ C
DISSIPATION FACTOR @ 25 C:	.001 (0.1%) max
INSULATION RESISTANCE, 25 C 125 C	> 100G or >1000 F > 10G or >100 F
DIELECTRIC WITHSTANDING VOLTAGE: *WHICHEVER IS GREATER	< 200V, 250% 201-500V, 150% or 500V* > 500V, 120%, or 750V*
AGING RATE:	0% per decade
TEST PARAMETERS:	1KHz, 1.0 +/- 0.2 VRMS, 25 C 1MHZ for Capacitance <100pF

X7R E DIELECTRIC CHARACTERISTICS

OPERATING TEMPERATURE RANGE:	-55 C to 200 C
TEMPERATURE COEFFICIENT UP TO 125 C:	+/- 15% tC max
DISSIPATION FACTOR @ 25 C:	25% max @ >25V, 3.5% max 25V
INSULATION RESISTANCE, 25 C 125 C	> 100G or >1000 F > 10G or >100 F
DIELECTRIC WITHSTANDING VOLTAGE: *WHICHEVER IS GREATER	< 200V, 250% 201-500V, 150% or 500V* > 500V, 120%, or 750V*
AGING RATE:	< 2.0% per decade
TEST PARAMETERS:	1KHz, 1.0 +/- 0.2 VRMS, 25 C



HOW TO ORDER

4540	E	104	M	250	LC	H
SIZE See Chart	DIELECTRIC D = 200 C COG E = 200 C X7R	CAPACITANCE Value in Picofarads Two significant figures, followed by number of zeros: 104 = 100,000pF	TOLERANCE F = +/- 1 % G = +/- 2 % COG only J = +/- 5 % K = +/- 10 % M = +/- 20 %	VOLTAGE-VDCW Two significant figures, followed by number of zeros: 250 = 25V	TERMINALS LC = Encapsulated	HI REL TEST OPTION

