



RING DETECT CAPACITORS



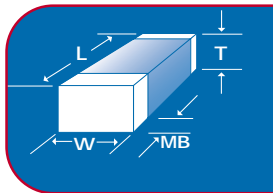
NOVACAP offers a line of low ESR surface mount capacitors ideally suited for "Tip & Ring" applications. These units are designed with 250 VDC rating to withstand the 52 VDC bias and 150 VRMS signal during ring cadence. Chips are offered in X7R dielectric from 0.39 μ F to 1.00 μ F in sizes 1812, 1825 and 2225. Product is also available in Z5U and Y5V dielectric from 0.47 μ F to 1.30 μ F for other ring detection circuits.



MAX CAPACITANCE @ 250 VDC

3 digit code: two significant digits, followed by number of zeros
eg: 394 = 390,000 pF (0.39 μ F)

SIZE	1812	1825	2225
LENGTH L	.180 (4.57)	.180 (4.57)	.220 (5.59)
WIDTH W	.125 (3.18)	.250 (6.35)	.250 (6.35)
T MAX	.095 (2.41)	.095 (2.41)	.095 (2.41)
MB	.024 (.610)	.024 (.610)	.030 (.760)
X7R DIELECTRIC			
MAX CAP @ 250V	474	824	105
Z5U / Y5V DIELECTRIC			
MAX CAP @ 250V	564	125	155
DIMENSIONAL TOLERANCES +/- INCHES (MM)			
LENGTH L	.012 (.305)	.012 (.305)	.015 (.380)
WIDTH W	.008 (.203)	.016 (.406)	.015 (.380)
MB	.014 (.355)	.014 (.355)	.015 (.380)



HOW TO ORDER

RD1812	Y	474	M	251	N	X	T	M
SIZE See Chart	DIELECTRIC B = X7R Z = Z5U Y = Y5V	CAPACITANCE Value in Picofarads Two significant figures, followed by number of zeros: 474 = 470,000pF	TOLERANCE J = +/- 5% X7R Only K = +/- 10% M = +/- 20% Z = +80%-20% P = +100%-0%	VOLTAGE-VDCW 251 = 250VDC	TERMINATION N = Nickel Barrier (100% Sn)	THICKNESS OPTION X=Non-standard thickness. Specify in Mils if non-standard is required. Standard items are any thickness to Max shown in charts.	PACKING OPTION T=Reeled	MARKING OPTION M=Marked (See Marking Specifications)