

# HIGH VOLTAGE RADIAL LEADED CAPACITORS

## X7R AND NPO DIELECTRIC EPOXY COATED AND UNCOATED RADIAL LEADED CAPACITORS

### SPECIFICATIONS:

#### OPERATING TEMPERATURE RANGE

- 55°C to +125°C

High temperature to 250°C available

#### TEMPERATURE COEFFICIENT

X7R: ± 15% ΔC

NPO: ± 30 ppm/ °C max.

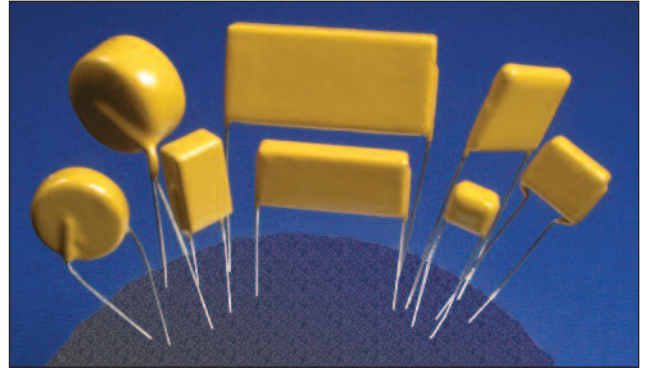
#### DISSIPATION FACTOR

X7R: 2.5% max.

NPO: < .0015 (.15%)

#### INSULATION RESISTANCE

NPO/X7R: 1000 ohms x Farad or 100 Gigohms,  
whichever is less

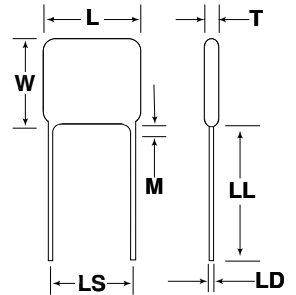


Encapsulated styles also available

### DIMENSIONS

SIZE	L (Max.)	W (Max.)	T (Max.)	LL (Min.)	LS (±.032)	LD (±.002)	M (Typ.)
RL1814	0.300	0.200	0.200	1.000	0.200	0.025	0.060
RL1824	0.300	0.300	0.200	1.000	0.200	0.025	0.060
RL2225	0.350	0.300	0.200	1.000	0.250	0.025	0.060
RL2824	0.400	0.300	0.200	1.000	0.300	0.025	0.060
RL3933	0.500	0.400	0.200	1.000	0.400	0.025	0.060
RL4844	0.600	0.500	0.200	1.000	0.500	0.025	0.060
RL5854	0.700	0.600	0.200	1.000	0.600	0.025	0.060
RL6864	0.800	0.700	0.200	1.000	0.700	0.025	0.060
RL9650	1.100	0.600	0.200	1.000	0.980	0.025	0.060
RL13565	1.450	0.720	0.200	1.000	1.375	0.025	0.060

### CAP DIMENSIONS



### MAXIMUM CAPACITANCE (μF)

SIZE	50V		100V		200V		500V		1000V		2000V		3000V		4000V		5000V	
	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO	X7R	NPO
RL1814	.80	.018	.42	.012	.18	.0075	.075	.0035	.012	.0010	—	—	—	—	—	—	—	—
RL1824	1.4	.033	.90	.024	.35	.014	.15	.0068	.024	.0020	—	—	—	—	—	—	—	—
RL2225	1.9	.047	1.2	.033	.47	.020	.20	.0090	.032	.0027	.0060	.00050	—	—	—	—	—	—
RL2824	2.2	.056	1.5	.040	.58	.022	.25	.011	.040	.0036	.0080	.00075	.0033	.00025	—	—	—	—
RL3933	4.7	.12	3.0	.085	1.2	.050	.50	.024	.080	.0075	.019	.0017	.0082	.00065	.0039	.00030	—	—
RL4844	8.2	.20	5.6	.14	1.9	.082	.82	.039	.16	.014	.035	.0032	.015	.0013	.0082	.00060	.0056	.00042
RL5854	12	.30	8.2	.21	3.0	.12	1.2	.060	.25	.022	.055	.0050	.027	.0021	.015	.0010	.0082	.00070
RL6864	18	.44	12	.31	4.5	.18	1.8	.085	.35	.030	.082	.0070	.039	.0030	.018	.0015	.012	.0010
RL9650	19	.47	12	.34	5.0	.20	2.0	.095	.39	.033	.10	.0082	.047	.0035	.022	.0018	.015	.0012
RL13565	—	—	—	—	9.0	.36	3.9	.17	.70	.060	.18	.015	.082	.0065	.047	.0035	.033	.0024

### HOW TO ORDER

<b>RL</b> PRODUCT CODE Radial Leaded	<b>1814</b> SIZE CODE See Above	<b>X7R</b> DIELECTRIC TYPE X7R, NPO	<b>123</b> CAPACITANCE (IN PICO FARADS) Two significant figures followed by the number of zeros Example: 123 = 12,000 pF = .012 μF	<b>K</b> TOLERANCE J = ± 5% K = ± 10% M = ± 20% Z = - 20% / +80	<b>9</b> VOLTAGE 2 = 50 V 3 = 100 V 4 = 200 V 6 = 500 V 9 = 1,000 V 11 = 2,000 V 13 = 3,000 V 14 = 4,000 V 15 = 5,000 V	<b>E</b> CASE B = Molded Box (Encapsulated) E = Epoxy Coated V = Varnish U = Uncoated	<b>200</b> LEAD SPACING (LS) See Above
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