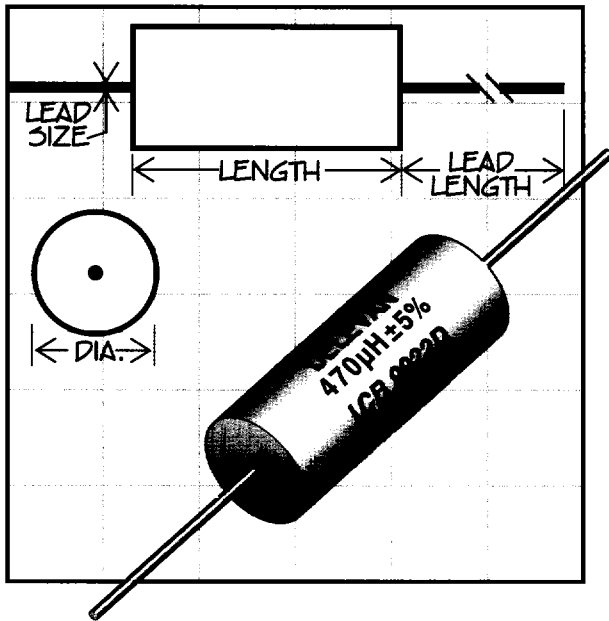


# Series 2502

## Molded Unshielded RF, LCR Coils



**Mechanical Configuration** Units are axial leaded encapsulated in an epoxy molded case. High resistivity ferrite core, allowing for high inductance with low DC resistance.

### Physical Parameters

	A	B	C
<b>Mold Size</b>			
<b>Diameter</b>			
Inches ± .010	0.190	0.215	0.240
mm ± .25	4.83	5.46	6.10
<b>Length</b>			
Inches ± .010	0.440	0.560	0.740
mm ± .25	11.18	14.22	18.80
<b>Lead Type &amp; Size</b>			
AWG #	#22	#21	#20
TCW ± .002 Inches	0.025	0.028	0.032
[TCW ± .051 mm]	0.635	0.711	0.813
<b>Lead Length</b>			
Inches ± .12	1.44	1.44	1.44
mm ± 3.05	36.58	36.58	36.58
<b>Max. Power Dissipation</b>			
at 90°C W	0.166	0.182	0.213
<b>Weight Max.</b>			
(Grams)	0.95	1.5	2.5

**Operating Temperature Range** -55°C to +105°C

**Current Rating at 90°C Ambient** 15°C Rise

**Test Frequency** 0.100 MHz

**Note** For testing information and other LCR Series parts, see page 61

Made in the U.S.A.

SERIES 2502 FERRITE CORE					
PART NUMBER	INDUCTANCE (µH) ± 5%	DC RESISTANCE MAXIMUM (OHMS)	RESONANT FREQUENCY MINIMUM (MHZ)	CURRENT RATING MAXIMUM (mA)	MOLD SIZE
2502-00J	270	8.20	5.60	126	A
2502-02J	300	8.70	5.30	122	A
2502-04J	330	9.10	5.00	120	A
2502-06J	360	9.60	4.70	115	A
2502-08J	390	10.00	4.50	114	A
2502-10J	430	10.60	4.30	111	A
2502-12J	470	11.00	4.00	108	A
2502-14J	500	11.30	3.70	106	A
2502-15J	510	11.60	3.80	105	A
2502-16J	560	12.30	3.60	104	A
2502-18J	620	9.90	3.50	101	A
2502-20J	680	10.50	3.40	97	A
2502-22J	750	11.50	3.30	95	A
2502-24J	820	12.10	3.10	92	A
2502-26J	910	12.80	2.90	91	A
2502-28J	1000	13.50	2.80	88	A
2502-30J	1100	21.00	2.80	81	B
2502-32J	1200	22.00	2.70	79	B
2502-34J	1300	23.00	2.60	78	B
2502-36J	1500	25.00	2.40	76	B
2502-38J	1600	26.00	2.30	74	B
2502-40J	1800	28.00	2.20	71	B
2502-42J	2000	29.00	2.10	69	B
2502-44J	2200	30.00	2.00	68	B
2502-46J	2400	31.00	1.90	67	B
2502-48J	2700	33.00	1.80	65	B
2502-50J	3000	35.00	1.70	63	B
2502-52J	3300	38.00	1.60	61	B
2502-54J	3600	40.00	1.50	59	B
2502-56J	3900	44.00	1.45	62	C
2502-58J	4300	46.00	1.40	60	C
2502-60J	4700	48.00	1.35	59	C
2502-62J	5000	50.00	1.30	58	C
2502-63J	5100	50.00	1.30	58	C
2502-64J	5600	53.00	1.25	56	C
2502-66J	6200	56.00	1.20	55	C
2502-68J	6800	59.00	1.15	54	C
2502-70J	7500	62.00	1.10	52	C
2502-72J	8200	65.00	1.05	51	C
2502-74J	9100	68.00	1.00	49	C
2502-76J	10000	72.00	0.95	48	C

Optional Tolerances: H = 3% G = 2% F = 1%