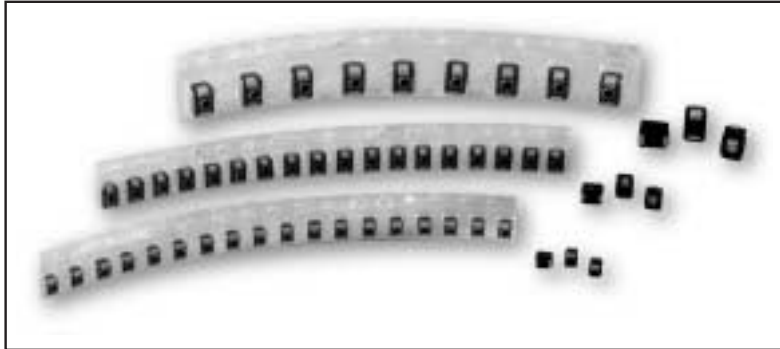




# RL-2505

## RL-2515, RL-2525

### SURFACE MOUNT CHIP INDUCTORS



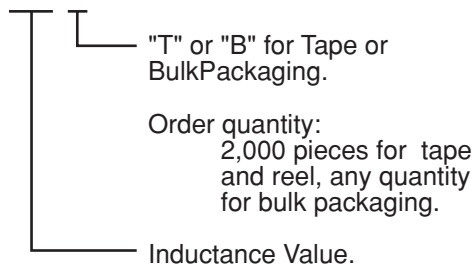
The RL-2505, RL-2515, and RL-2525 CHIPDUCTOR™ Series offers over a hundred standard values of miniature inductors that are designed specifically for compact assemblies requiring surface mount components. They can be supplied on reels for automated assemblies or in bulk packaging.

#### SPECIFICATIONS:

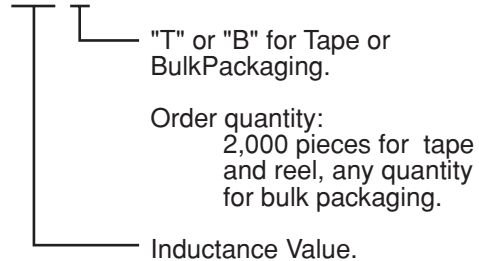
Operating Temperature: -25 to +85°C.

#### ORDERING INFORMATION:

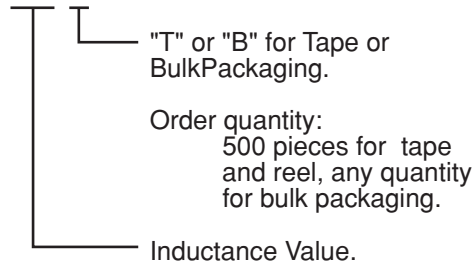
RL-2505-XXX-X



RL-2515-XXX-X



RL-2525-XXX-X



RL-2505 = 1008 SIZE  
RL-2515 = 1210 SIZE  
RL-2525 = 1812 SIZE



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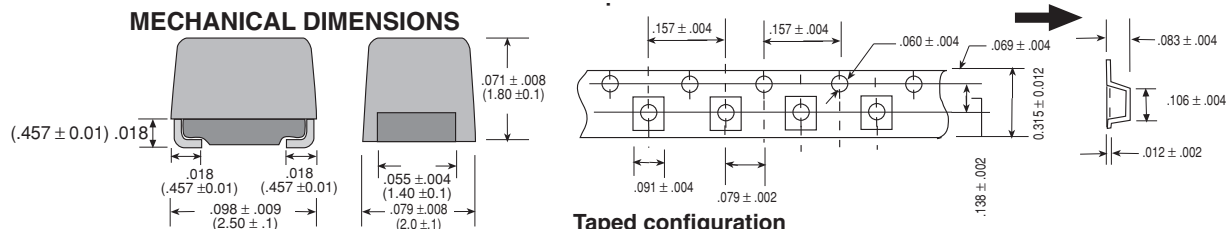
595 International Place, Rockledge, FL 32955-4200 USA

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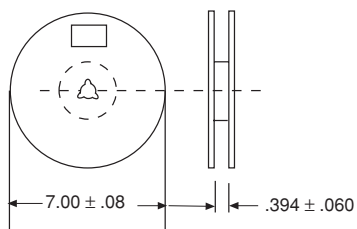
Fax: (321) 637-1600 Web Site: [www.rencousa.com](http://www.rencousa.com) E-mail: [sales@rencousa.com](mailto:sales@rencousa.com)

RL-2505 Renco Part No.	Nominal Inductance ( $\mu\text{H}$ )	Inductive Tolerance	Self-Resonant Frequency (MHz. Min.)	Q (Min.)	DC Resistance (Ohms) Max.	Maximum DC Current (mA)	Measuring Frequency (MHz)
RL-2505-0.12	0.12	$\pm 10\%$	600	30	0.37	520	25.2
RL-2505-0.15	0.15	$\pm 10\%$	550	30	0.42	480	25.2
RL-2505-0.18	0.18	$\pm 10\%$	500	30	0.46	460	25.2
RL-2505-0.22	0.22	$\pm 10\%$	450	30	0.52	430	25.2
RL-2505-0.27	0.27	$\pm 10\%$	425	30	0.56	420	25.2
RL-2505-0.33	0.33	$\pm 10\%$	400	30	0.60	400	25.2
RL-2505-0.39	0.39	$\pm 10\%$	375	30	0.65	375	25.2
RL-2505-0.47	0.47	$\pm 10\%$	350	30	0.68	350	25.2
RL-2505-0.56	0.56	$\pm 10\%$	300	30	0.75	325	25.2
RL-2505-0.68	0.68	$\pm 10\%$	270	30	0.85	300	25.2
RL-2505-0.82	0.82	$\pm 10\%$	250	30	1.00	260	25.2
RL-2505-1.0	1.0	$\pm 5\%$	220	30	1.10	245	7.96
RL-2505-1.2	1.2	$\pm 5\%$	180	30	1.20	230	7.96
RL-2505-1.5	1.5	$\pm 5\%$	135	30	1.30	220	7.96
RL-2505-1.8	1.8	$\pm 5\%$	100	30	1.45	210	7.96
RL-2505-2.2	2.2	$\pm 5\%$	75	30	1.55	200	7.96
RL-2505-2.7	2.7	$\pm 5\%$	55	30	1.70	195	7.96
RL-2505-3.3	3.3	$\pm 5\%$	48	30	1.90	185	7.96
RL-2505-3.9	3.9	$\pm 5\%$	43	30	2.10	180	7.96
RL-2505-4.7	4.7	$\pm 5\%$	40	30	2.30	175	7.96
RL-2505-5.6	5.6	$\pm 5\%$	36	25	2.50	170	7.96
RL-2505-6.8	6.8	$\pm 5\%$	33	25	2.70	165	7.96
RL-2505-8.2	8.2	$\pm 5\%$	30	25	3.05	160	7.96
RL-2505-10	10	$\pm 5\%$	27	25	3.50	155	7.96
RL-2505-12	12	$\pm 5\%$	23	25	3.80	150	2.52
RL-2505-15	15	$\pm 5\%$	20	25	4.40	140	2.52
RL-2505-18	18	$\pm 5\%$	18	25	4.80	130	2.52
RL-2505-22	22	$\pm 5\%$	17	25	5.50	125	2.52
RL-2505-27	27	$\pm 5\%$	16	25	6.30	115	2.52
RL-2505-33	33	$\pm 5\%$	15	25	7.10	110	2.52
RL-2505-39	39	$\pm 5\%$	14	20	9.50	90	2.52
RL-2505-47	47	$\pm 5\%$	13	20	11.10	80	2.52
RL-2505-56	56	$\pm 5\%$	12	20	12.10	75	2.52
RL-2505-68	68	$\pm 5\%$	11	20	16.60	70	2.52
RL-2505-82	82	$\pm 5\%$	10	20	19.00	65	2.52
RL-2505-100	100	$\pm 5\%$	9	15	21.00	60	0.796

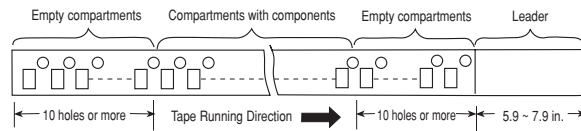
### Taped dimensions



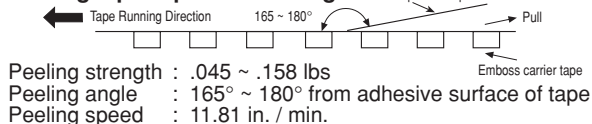
### Reel-packed dimensions



### Taped configuration



### Sealing tape separation strength.



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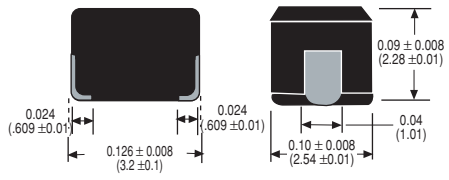
595 International Place, Rockledge, FL 32955-4200 USA

(321) 637-1000 • Toll Free Engineering Hot line 800-645-5828

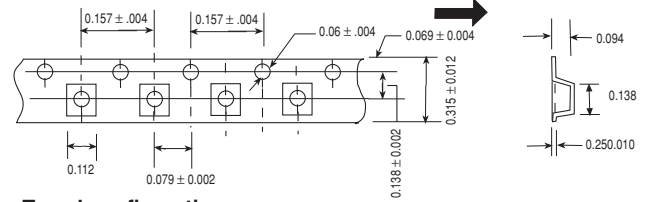
SINCE 1955 Fax: (321) 637-1600 Web Site: www.rencousa.com E-mail: sales@rencousa.com

RL-2515 Renco Part No.	Nominal Inductance (μH)	Inductive Tolerance	Self-Resonant Frequency (MHz. Min.)	Q (Min.)	DC Resistance (Ohms) ±40%	Maximum DC Current (mA)	Measuring Frequency (MHz)
RL-2515-0.15	0.15	±20%	290	30	0.16	610	25.2
RL-2515-0.18	0.18	±20%	260	30	0.18	580	25.2
RL-2515-0.22	0.22	±20%	230	30	0.2	550	25.2
RL-2515-0.27	0.27	±20%	210	30	0.22	520	25.2
RL-2515-0.33	0.33	±20%	190	30	0.24	500	25.2
RL-2515-0.39	0.38	±20%	170	30	0.26	480	25.2
RL-2515-0.47	0.47	±20%	150	30	0.29	460	25.2
RL-2515-0.56	0.56	±20%	130	30	0.33	430	25.2
RL-2515-0.68	0.68	±20%	120	30	0.35	410	25.2
RL-2515-0.82	0.82	±20%	100	30	0.39	390	25.2
RL-2515-1.0	1.0	±20%	90	30	0.44	370	7.96
RL-2515-1.2	1.2	±20%	85	30	0.48	350	7.96
RL-2515-1.5	1.5	±20%	70	30	0.54	330	7.96
RL-2515-1.8	1.8	±20%	60	30	0.58	320	7.96
RL-2515-2.2	2.2	±20%	50	30	0.67	300	7.96
RL-2515-2.7	2.7	±20%	45	30	0.72	290	7.96
RL-2515-3.3	3.3	±10%	40	30	0.8	270	7.96
RL-2515-3.9	3.9	±10%	37	30	0.88	260	7.96
RL-2515-4.7	4.7	±10%	32	30	0.95	250	7.96
RL-2515-5.6	5.6	±10%	30	30	1.1	230	7.96
RL-2515-6.8	6.8	±10%	28	30	1.2	220	7.96
RL-2515-8.2	8.2	±10%	25	30	1.3	215	7.96
RL-2515-10	10	±10%	23	30	1.4	200	2.52
RL-2515-12	12	±10%	20	30	1.6	190	2.52
RL-2515-15	15	±10%	19	30	1.8	180	2.52
RL-2515-18	18	±10%	17	30	1.9	175	2.52
RL-2515-22	22	±10%	16	30	3.1	140	2.52
RL-2515-27	27	±10%	14	30	3.5	130	2.52
RL-2515-33	33	±10%	13	30	3.9	125	2.52
RL-2515-39	39	±10%	12	30	4.3	120	2.52
RL-2515-47	47	±10%	10	30	6.0	100	2.52
RL-2515-56	56	±10%	9	30	6.5	95	2.52
RL-2515-68	68	±10%	9	30	7.3	90	2.52
RL-2515-82	82	±10%	8	30	10.2	75	2.52
RL-2515-100	100	±10%	7	20	11.3	70	0.796

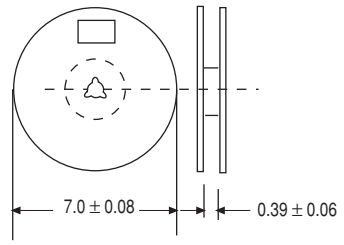
**MECHANICAL DIMENSIONS**



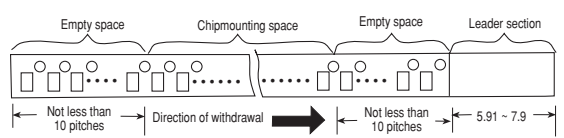
**Taped dimensions**



**Reel-packed dimensions**



**Taped configuration**



**Sealing tape separation strength.**



Peeling strength: .045 ~ .158 lbs.  
 Peeling angle: 165 to 180° from adhesive surface of tape  
 Peeling speed: 11.81 in./min.

ALL DIMENSIONS IN INCHES (mm)

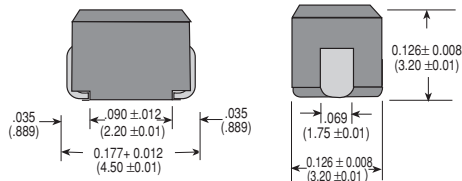


**RENCO ELECTRONICS, INC.**

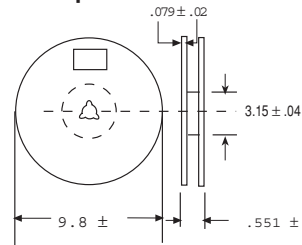
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 Fax: (321) 637-1600 Web Site: www.rencousa.com E-mail: sales@rencousa.com

RL-2525 Renco Part No.	Nominal Inductance (μH)	Inductive Tolerance	Self-Resonant Frequency (MHz.Min.)	Q (Min.)	DC Resistance (Ohms) Max.	Maximum DC Current (mA)	Measuring Frequency (MHz)
RL-2525-0.22	0.22	±20%	350	30	0.32	450	25.2
RL-2525-0.27	0.27	±20%	320	30	0.36	450	25.2
RL-2525-0.33	0.33	±20%	300	30	0.40	450	25.2
RL-2525-0.39	0.39	±20%	350	30	0.45	450	25.2
RL-2525-0.47	0.47	±20%	220	30	0.50	450	25.2
RL-2525-0.56	0.56	±20%	180	30	0.55	450	25.2
RL-2525-0.68	0.68	±20%	160	30	0.60	450	25.2
RL-2525-0.82	0.82	±20%	140	30	0.67	450	25.2
RL-2525-1.0	1.0	±20%	100	50	0.50	450	7.96
RL-2525-1.2	1.2	±20%	80	50	0.55	430	7.96
RL-2525-1.5	1.5	±20%	70	50	0.60	410	7.96
RL-2525-1.8	1.8	±20%	60	50	0.65	390	7.96
RL-2525-2.2	2.2	±20%	55	50	0.70	380	7.96
RL-2525-2.7	2.7	±20%	50	50	0.75	370	7.96
RL-2525-3.3	3.3	±20%	45	50	0.80	355	7.96
RL-2525-3.9	3.9	±10%	40	50	0.90	330	7.96
RL-2525-4.7	4.7	±10%	35	50	1.00	315	7.96
RL-2525-5.6	5.6	±10%	33	50	1.10	300	7.96
RL-2525-6.8	6.8	±10%	27	50	1.20	285	7.96
RL-2525-8.2	8.2	±10%	25	50	1.40	270	7.96
RL-2525-10	10	±10%	20	50	1.60	250	7.96
RL-2525-12	12	±10%	18	50	2.00	225	2.52
RL-2525-15	15	±10%	17	50	2.50	200	2.52
RL-2525-18	18	±10%	15	50	2.80	190	2.52
RL-2525-22	22	±10%	13	50	3.20	180	2.52
RL-2525-27	27	±10%	12	50	3.60	170	2.52
RL-2525-33	33	±10%	11	50	4.00	160	2.52
RL-2525-39	39	±10%	10	50	4.50	150	2.52
RL-2525-47	47	±10%	10	50	5.00	140	2.52
RL-2525-56	56	±10%	9.0	50	5.50	135	2.52
RL-2525-68	68	±10%	9.0	50	6.00	130	2.52
RL-2525-82	82	±10%	8.0	50	7.00	120	2.52
RL-2525-100	100	±10%	7.0	40	8.00	110	2.52
RL-2525-120	120	±10%	6.0	40	8.00	110	0.796
RL-2525-150	150	±10%	5.0	40	9.00	105	0.796
RL-2525-180	180	±10%	5.0	40	9.50	102	0.796
RL-2525-220	220	±10%	4.0	40	12.00	100	0.796

### MECHANICAL DIMENSIONS



### Reel-packed dimensions

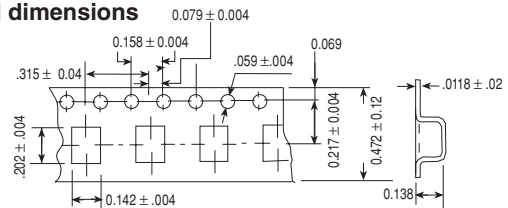


ALL DIMENSIONS IN INCHES (mm)

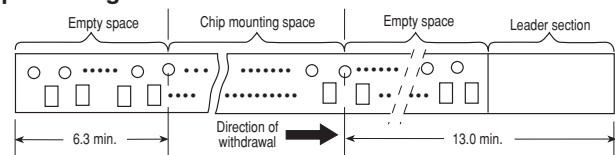
### Tape Material

Carrier tape: Polystyrene  
Cover type: Polyethylene

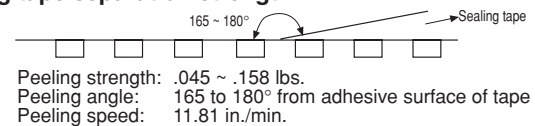
### Taped dimensions



### Taped configuration



### Sealing tape separation strength.



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