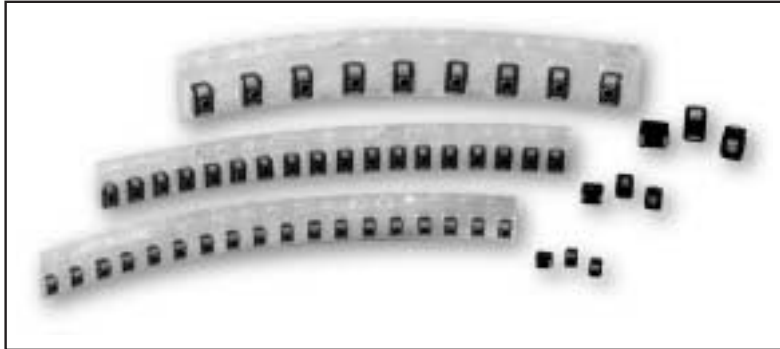




RL-2505

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

"T" or "B" for Tape or Bulk Packaging.

Order quantity:
2,000 pieces for tape and reel, any quantity for bulk packaging.

Inductance Value.

RL-2515-XXX-X

"T" or "B" for Tape or Bulk Packaging.

Order quantity:
2,000 pieces for tape and reel, any quantity for bulk packaging.

Inductance Value.

RL-2525-XXX-X

"T" or "B" for Tape or Bulk Packaging.

Order quantity:
500 pieces for tape and reel, any quantity for bulk packaging.

Inductance Value.

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



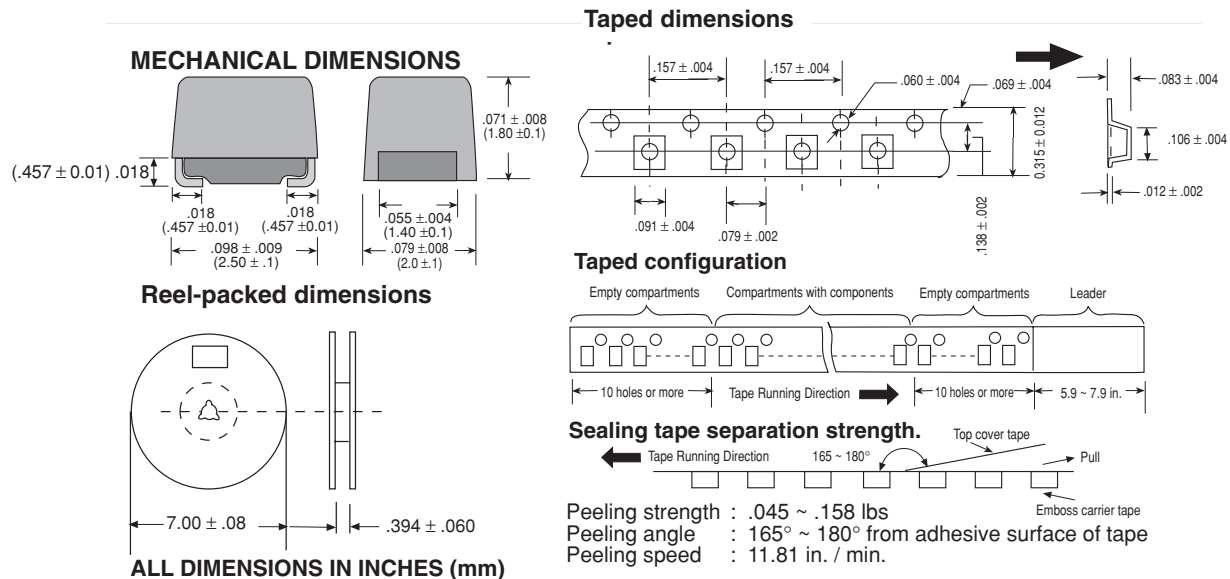
RENCO ELECTRONICS, INC.

595 International Place, Rockledge, FL 32955-4200 USA

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

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

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



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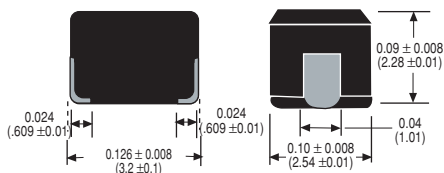
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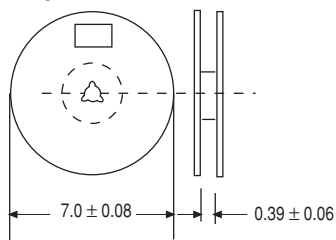
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RL-2515 Renco Part No.	Nominal Inductance (μ H)	Inductive Tolerance	Self-Resonant Frequency (MHz. Min.)	Q (Min.)	DC Resistance (Ohms) $\pm 40\%$	Maximum DC Current (mA)	Measuring Frequency (MHz)
RL-2515-0.15	0.15	$\pm 20\%$	290	30	0.16	610	25.2
RL-2515-0.18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

MECHANICAL DIMENSIONS

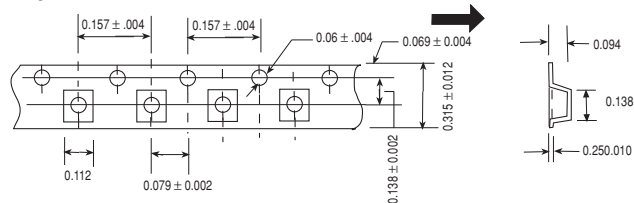


Reel-packed dimensions

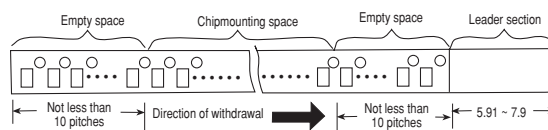


ALL DIMENSIONS IN INCHES (mm)

Taped 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.



RENCO ELECTRONICS, INC.

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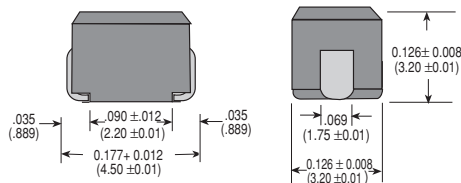
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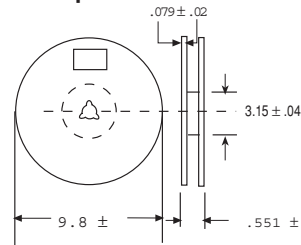
RL-2525 Renco Part No.	Nominal Inductance (μ H)	Inductive Tolerance	Self-Resonant Frequency (MHz.Min.)	Q (Min.)	DC Resistance (Ohms) Max.	Maximum DC Current (mA)	Measuring Frequency (MHz)
RL-2525-0.22	0.22	$\pm 20\%$	350	30	0.32	450	25.2
RL-2525-0.27	0.27	$\pm 20\%$	320	30	0.36	450	25.2
RL-2525-0.33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

Taped dimensions

MECHANICAL DIMENSIONS



Reel-packed dimensions



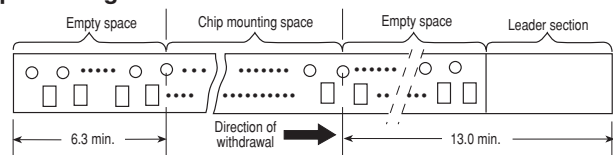
ALL DIMENSIONS IN INCHES (mm)

Tape Material

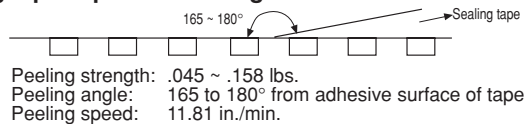
Carrier tape: Polystyrene

Cover type: Polyethylene

Taped configuration



Sealing tape separation strength.



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