



RL-1324

MIL SPEC INDUCTORS



The RL-1324 Series of encapsulated power line chokes are designed to meet MIL-T-27D, Class S specifications*. Over 200 standard values covering an inductance range from 1 μ H to 15,000 μ H with rated saturation current ranges from 1.5 to 155 Amps are available. The use of high saturation flux density material make these coils ideal for use in a wide range of circuit applications that require compact, low cost power inductors.

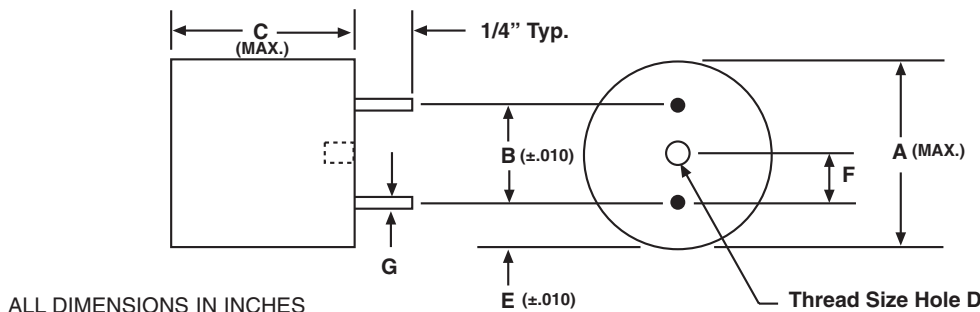
A threaded bushing is an integral part of the RL-1324 permitting secure physical fastening of the inductor to a printed circuit board or chassis. The terminal pins are plated to insure ease of soldering.

Typical Applications:

- Switching Regulators
- Power Amplifiers
- SCR and Triac Controls
- RFI Suppression
- Filters
- Reactors
- Power Inductors
- Audio Inductors
- Saturable Inductors

Dimensions:

Part No. Type	A	B	C	D	E	F	G	Max Wt.
RL-1324-1	0.700	0.450	1.100	4-40	0.096	0.225	.040	20 grams
RL-1324-2	0.830	0.500	1.100	4-40	0.156	0.250	.040	35 grams
RL-1324-3	1.100	0.537	1.100	4-40	0.269	0.268	.040	60 grams
RL-1324-4	1.525	0.750	1.380	6-32	0.375	0.375	.080	130 grams
RL-1324-5	1.525	0.750	1.850	6-32	0.375	0.375	.080	140 grams



* The RL-1324 is designed to meet MIL-STD-27D, Class S, however, they are not currently listed on the DESC Qualified Products List.



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RL- 1324-1				
Renco Part No.	Inductance at 0 DC (μ H)	Max. DCR (Ohms)	Saturation Current (DC Amps)	Rated Current (Amps)
RL-1324-1-1.0	1.0	.003	87.0	8.1
RL-1324-1-1.2	1.2	.003	68.0	8.1
RL-1324-1-1.5	1.5	.004	56.0	8.1
RL-1324-1-1.8	1.8	.004	56.0	8.1
RL-1324-1-2.2	2.2	.005	47.0	8.1
RL-1324-1-2.7	2.7	.005	47.0	8.1
RL-1324-1-3.3	3.3	.005	40.0	8.1
RL-1324-1-3.9	3.9	.006	36.0	8.1
RL-1324-1-4.7	4.7	.007	32.0	8.1
RL-1324-1-5.6	5.6	.007	29.0	8.1
RL-1324-1-6.8	6.8	.008	26.0	8.1
RL-1324-1-8.2	8.2	.009	24.5	8.1
RL-1324-1-10	10.0	.010	21.2	8.1
RL-1324-1-12	12.0	.011	19.0	8.1
RL-1324-1-15	15.0	.015	17.5	6.4
RL-1324-1-18	18.0	.016	16.5	6.4
RL-1324-1-22	22.0	.020	15.8	4.9
RL-1324-1-27	27.0	.030	14.4	4.0
RL-1324-1-33	33.0	.040	13.2	3.6
RL-1324-1-39	39.0	.046	11.8	3.6
RL-1324-1-47	47.0	.062	11.0	2.5
RL-1324-1-56	56.0	.069	10.0	2.5
RL-1324-1-68	68.0	.077	8.9	2.5
RL-1324-1-82	82.0	.083	8.2	2.5
RL-1324-1-100	100.0	.095	7.5	2.5
RL-1324-1-120	120.0	.127	5.8	1.8
RL-1324-1-150	150.0	.181	5.6	1.4
RL-1324-1-180	180.0	.217	5.1	1.4
RL-1324-1-220	220.0	.240	4.3	1.4
RL-1324-1-270	270.0	.300	4.1	1.4
RL-1324-1-330	330.0	.336	3.8	1.1
RL-1324-1-390	390.0	.460	3.3	0.9
RL-1324-1-470	470.0	.636	3.2	0.7
RL-1324-1-560	560.0	.696	2.9	0.7

RL- 1324-2				
Renco Part No.	Inductance at 0 DC (μ H)	Max. DCR (Ohms)	Saturation Current (DC Amps)	Rated Current (Amps)
RL-1324-2-1.0	1.0	.003	108.0	10.2
RL-1324-2-1.2	1.2	.003	108.0	10.2
RL-1324-2-1.5	1.5	.003	83.0	10.2
RL-1324-2-1.8	1.8	.003	68.0	10.2
RL-1324-2-2.2	2.2	.004	68.0	10.2
RL-1324-2-2.7	2.7	.005	58.0	10.2
RL-1324-2-3.3	3.3	.005	58.0	10.2
RL-1324-2-3.9	3.9	.005	50.0	10.2
RL-1324-2-4.7	4.7	.005	50.0	10.2
RL-1324-2-5.6	5.6	.006	44.0	10.2
RL-1324-2-6.8	6.8	.007	39.0	10.2
RL-1324-2-8.2	8.2	.007	36.0	10.2
RL-1324-2-10	10.0	.009	30.0	10.2
RL-1324-2-12	12.0	.009	27.0	10.2
RL-1324-2-15	15.0	.013	25.0	8.1
RL-1324-2-18	18.0	.018	22.0	6.4
RL-1324-2-22	22.0	.019	21.0	6.4
RL-1324-2-27	27.0	.026	20.5	4.9
RL-1324-2-33	33.0	.029	18.6	4.9
RL-1324-2-39	39.0	.030	17.0	4.9
RL-1324-2-47	47.0	.035	15.1	4.9
RL-1324-2-56	56.0	.039	13.6	4.9
RL-1324-2-68	68.0	.053	12.7	4.3
RL-1324-2-82	82.0	.060	11.3	4.3
RL-1324-2-100	100.0	.080	10.4	3.6
RL-1324-2-120	120.0	.090	9.4	3.6
RL-1324-2-150	150.0	.098	8.6	3.6
RL-1324-2-180	180.0	.110	7.8	3.6
RL-1324-2-220	220.0	.150	7.0	2.5
RL-1324-2-270	270.0	.213	6.3	1.8
RL-1324-2-330	330.0	.305	5.2	1.4
RL-1324-2-390	390.0	.320	4.9	1.4
RL-1324-2-470	470.0	.355	4.5	1.4
RL-1324-2-560	560.0	.388	4.1	1.4
RL-1324-2-680	680.0	.430	3.7	1.4
RL-1324-2-820	820.0	.590	3.4	1.1
RL-1324-2-1000	1000.0	.818	3.1	0.9
RL-1324-2-1200	1200.0	1.14	2.7	0.7
RL-1324-2-1500	1500.0	1.26	2.4	0.7
RL-1324-2-1800	1800.0	1.39	2.2	0.7
RL-1324-2-2200	2200.0	1.54	2.0	0.7

NOTES:

1. Saturation current lowers inductance 5%
2. Inductance \pm 10% measured at 1 KHz.
3. RDC measured @ 20° C.
4. Values below 10 μ H \pm 20%.
5. Manufactured to MIL-T-27-D.*
6. Grade 5 Class S. (-55°C to +130°C.)
7. 1000V Hi Pot Test winding to core.

*The RL-1324 is designed to meet MIL-STD-27D, Rev. E Class, however, they are not currently listed on the DESC Qualified Products List.



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RL- 1324-3				
Renco Part No.	Inductance at 0 DC (μH)	Max. DCR (Ohms)	Saturation Current (DC Amps)	Rated Current (Amps)
RL-1324-3-1.0	1.0	.003	116.0	18.9
RL-1324-3-1.2	1.2	.003	116.0	18.9
RL-1324-3-1.5	1.5	.003	116.0	18.9
RL-1324-3-1.8	1.8	.003	90.0	18.9
RL-1324-3-2.2	2.2	.003	90.0	18.9
RL-1324-3-2.7	2.7	.003	74.0	18.9
RL-1324-3-3.3	3.3	.003	74.0	18.9
RL-1324-3-3.9	3.9	.003	62.0	18.9
RL-1324-3-4.7	4.7	.003	54.0	18.9
RL-1324-3-5.6	5.6	.003	54.0	18.9
RL-1324-3-6.8	6.8	.004	47.0	18.9
RL-1324-3-8.2	8.2	.004	42.0	18.9
RL-1324-3-10	10.0	.006	38.0	15.3
RL-1324-3-12	12.0	.008	35.0	12.1
RL-1324-3-15	15.0	.009	32.0	12.1
RL-1324-3-18	18.0	.010	29.0	12.1
RL-1324-3-22	22.0	.011	25.0	12.1
RL-1324-3-27	27.0	.012	23.0	12.1
RL-1324-3-33	33.0	.017	20.0	12.1
RL-1324-3-39	39.0	.022	19.0	10.2
RL-1324-3-47	47.0	.024	19.1	8.1
RL-1324-3-56	56.0	.026	17.5	8.1
RL-1324-3-68	68.0	.029	15.6	8.1
RL-1324-3-82	82.0	.032	14.0	8.1
RL-1324-3-100	100.0	.034	13.2	8.1
RL-1324-3-120	120.0	.046	12.1	6.4
RL-1324-3-150	150.0	.064	10.8	4.9
RL-1324-3-180	180.0	.072	9.7	4.9
RL-1324-3-220	220.0	.080	8.7	4.9
RL-1324-3-270	270.0	.110	7.9	4.0
RL-1324-3-330	330.0	.122	7.1	4.0
RL-1324-3-390	390.0	.169	6.7	3.6
RL-1324-3-470	470.0	.187	6.0	3.6
RL-1324-3-560	560.0	.205	5.5	3.6
RL-1324-3-680	680.0	.256	5.0	2.5
RL-1324-3-820	820.0	.288	4.5	2.5
RL-1324-3-1000	1000.0	.426	4.1	1.8
RL-1324-3-1200	1200.0	.462	3.7	1.8
RL-1324-3-1500	1500.0	.518	3.4	1.8
RL-1324-3-1800	1800.0	.705	2.8	1.4
RL-1324-3-2200	2200.0	1.02	2.5	1.1
RL-1324-3-2700	2700.0	1.14	2.3	1.1
RL-1324-3-3300	3300.0	1.27	2.0	1.1
RL-1324-3-3900	3900.0	1.67	1.8	0.9
RL-1324-3-4700	4700.0	1.86	1.7	0.9

RL- 1324-4				
Renco Part No.	Inductance at 0 DC (μH)	Max. DCR (Ohms)	Saturation Current (DC Amps)	Rated Current (Amps)
RL-1324-4-1.8	1.8	.002	150.0	24.3
RL-1324-4-2.2	2.2	.002	150.0	24.3
RL-1324-4-2.7	2.7	.003	115.0	24.3
RL-1324-4-3.3	3.3	.003	115.0	24.3
RL-1324-4-3.9	3.9	.003	95.0	24.3
RL-1324-4-4.7	4.7	.003	95.0	24.3
RL-1324-4-5.6	5.6	.004	79.0	24.3
RL-1324-4-6.8	6.8	.004	79.0	24.3
RL-1324-4-8.2	8.2	.004	69.0	24.3
RL-1324-4-10	10.0	.005	61.0	24.3
RL-1324-4-12	12.0	.005	55.0	24.3
RL-1324-4-15	15.0	.006	49.0	24.3
RL-1324-4-18	18.0	.008	41.0	24.3
RL-1324-4-22	22.0	.009	38.0	18.9
RL-1324-4-27	27.0	.010	36.0	18.9
RL-1324-4-33	33.0	.011	31.0	18.9
RL-1324-4-39	39.0	.012	20.0	18.9
RL-1324-4-47	47.0	.018	30.2	12.9
RL-1324-4-56	56.0	.019	26.1	12.9
RL-1324-4-68	68.0	.021	24.4	12.9
RL-1324-4-82	82.0	.023	22.4	12.9
RL-1324-4-100	100.0	.025	20.0	12.9
RL-1324-4-120	120.0	.028	18.0	12.9
RL-1324-4-150	150.0	.040	16.4	10.2
RL-1324-4-180	180.0	.045	14.6	10.2
RL-1324-4-220	220.0	.050	13.2	10.2
RL-1324-4-270	270.0	.056	11.8	10.2
RL-1324-4-330	330.0	.074	11.4	10.2
RL-1324-4-390	390.0	.082	10.1	8.1
RL-1324-4-470	470.0	.114	9.2	6.4
RL-1324-4-560	560.0	.125	8.3	6.4
RL-1324-4-680	680.0	.139	7.6	6.4
RL-1324-4-820	820.0	.154	6.8	6.4
RL-1324-4-1000	1000.0	.216	6.2	4.9
RL-1324-4-1200	1200.0	.232	5.7	4.9
RL-1324-4-1500	1500.0	.324	5.1	4.0
RL-1324-4-1800	1800.0	.360	4.6	4.0
RL-1324-4-2200	2200.0	.494	4.2	3.6
RL-1324-4-2700	2700.0	.555	3.8	3.6
RL-1324-4-3300	3300.0	.773	3.4	2.5
RL-1324-4-3900	3900.0	.845	3.1	2.5
RL-1324-4-4700	4700.0	1.14	2.9	1.8
RL-1324-4-5600	5600.0	1.60	2.5	1.8
RL-1324-4-6800	6800.0	1.76	2.3	1.4
RL-1324-4-8200	8200.0	1.95	2.0	1.4
RL-1324-4-10000	10000.0	2.76	1.8	1.1
RL-1324-4-12000	12000.0	3.04	1.7	1.1
RL-1324-4-15000	15000.0	3.39	1.5	1.1



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RL- 1324-5				
Renco Part No.	Inductance at 0 DC (µH)	Max. DCR (Ohms)	Saturation Current (DC Amps)	Rated Current (Amps)
RL-1324-5-1.8	1.8	.002	155.0	31.5
RL-1324-5-2.2	2.2	.002	155.5	31.5
RL-1324-5-2.7	2.7	.002	125.0	31.5
RL-1324-5-3.3	3.3	.002	125.0	31.5
RL-1324-5-3.9	3.9	.003	102.0	31.5
RL-1324-5-4.7	4.7	.003	87.0	31.5
RL-1324-5-5.6	5.6	.003	87.0	31.5
RL-1324-5-6.8	6.8	.003	87.0	31.5
RL-1324-5-8.2	8.2	.003	76.0	31.5
RL-1324-5-10	10.0	.004	67.0	31.5
RL-1324-5-12	12.0	.004	60.0	31.5
RL-1324-5-15	15.0	.005	49.0	31.5
RL-1324-5-18	18.0	.007	45.0	24.3
RL-1324-5-22	22.0	.007	42.0	24.3
RL-1324-5-27	27.0	.008	35.0	24.3
RL-1324-5-33	33.0	.009	34.0	24.3
RL-1324-5-39	39.0	.010	30.0	24.3
RL-1324-5-47	47.0	.011	28.0	24.3
RL-1324-5-56	56.0	.013	26.0	18.9
RL-1324-5-68	68.0	.015	23.0	18.9
RL-1324-5-82	82.0	.017	20.0	18.9
RL-1324-5-100	100.0	.018	19.0	18.9
RL-1324-5-120	120.0	.022	18.0	15.3
RL-1324-5-150	150.0	.025	16.0	15.3
RL-1324-5-180	180.0	.035	14.0	12.1
RL-1324-5-220	220.0	.040	13.0	12.1
RL-1324-5-270	270.0	.044	11.0	12.1
RL-1324-5-330	330.0	.049	10.0	12.1
RL-1324-5-390	390.0	.070	9.7	10.2
RL-1324-5-470	470.0	.078	8.8	10.2
RL-1324-5-560	560.0	.105	8.1	8.1
RL-1324-5-680	680.0	.115	7.4	8.1
RL-1324-5-820	820.0	.127	6.7	8.1
RL-1324-5-1000	1000.0	.176	6.1	6.4
RL-1324-5-1200	1200.0	.195	5.5	6.4
RL-1324-5-1500	1500.0	.274	5.0	4.9
RL-1324-5-1800	1800.0	.302	4.5	4.9
RL-1324-5-2200	2200.0	.338	4.1	4.9
RL-1324-5-2700	2700.0	.459	3.7	4.0
RL-1324-5-3300	3300.0	.642	3.4	3.6
RL-1324-5-3900	3900.0	.699	3.0	3.6
RL-1324-5-4700	4700.0	.775	2.8	3.6
RL-1324-5-5600	5600.0	.843	2.6	3.6
RL-1324-5-6800	6800.0	1.15	2.3	2.5
RL-1324-5-8200	8200.0	1.26	2.1	2.5
RL-1324-5-10000	10000.0	1.74	1.9	1.8
RL-1324-5-12000	12000.0	1.92	1.7	1.8
RL-1324-5-15000	15000.0	2.17	1.5	1.8



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