

RL-5480

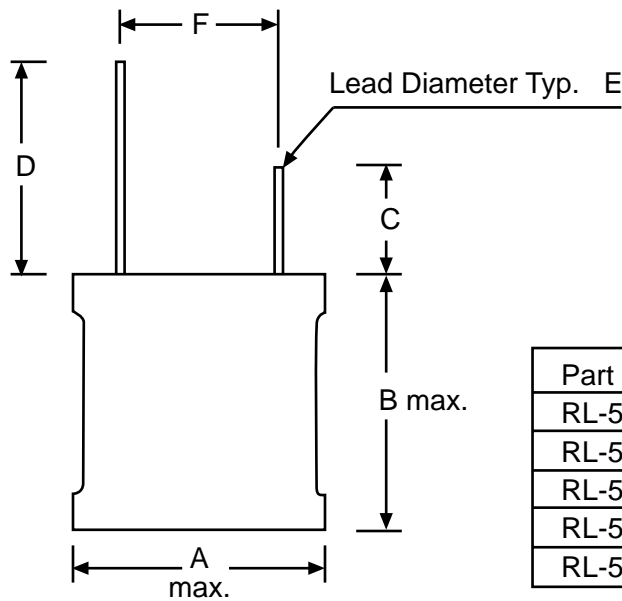
"MINI-DRUM"TM INDUCTORS



This radial lead series of power line chokes has 259 standard values to choose from. Inductances range from 3.9 μ H to 270,000 μ H, with current capabilities up to 4 amps, and a saturation current as high as 14.2 amps. The use of high saturation materials make these coils ideal for use in switching regulated power supply applications. The small size and staggered lead length make them easy for P.C. insertion.

Typical Applications:

- Power Supplies
- Switching Regulators
- SCR and TRIAC Controls
- RFI Suppression
- Filters



ALL DIMENSIONS IN INCHES

Part Number	A*	B	C	D	E	F
RL-5480-1	.225	.290	.375	.625	.020	.080
RL-5480-2	.275	.365	.375	.625	.025	.138
RL-5480-3	.375	.450	.375	.625	.032	.197
RL-5480-4	.450	.710	.375	.625	.032	.290
RL-5480-5	.625	.700	.375	.625	.040	.300

* Where wire exits over flange to lead termination add .050" total to Max. A Dimension. Leads easily formable to "F" dimensions.



RENCO ELECTRONICS, INC.

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RL 5480-1				
Renco Part No.	Inductance (μ H)	Max. DCR OHMS	Saturation Current DC Amps 5% Drop	Rated Current (Amps)
RL-5480-1-3.9	3.9	.030	1.50	.800
RL-5480-1-4.7	4.7	.034	1.35	.800
RL-5480-1-5.6	5.6	.036	1.25	.800
RL-5480-1-6.8	6.8	.040	1.15	.800
RL-5480-1-8.2	8.2	.054	1.00	.620
RL-5480-1-10	10	.060	.920	.620
RL-5480-1-12	12	.072	.840	.620
RL-5480-1-15	15	.078	.770	.620
RL-5480-1-18	18	.108	.720	.490
RL-5480-1-22	22	.144	.660	.385
RL-5480-1-27	27	.168	.600	.300
RL-5480-1-33	33	.200	.540	.300
RL-5480-1-39	39	.220	.470	.300
RL-5480-1-47	47	.240	.430	.300
RL-5480-1-56	56	.265	.390	.300
RL-5480-1-68	68	.380	.360	.250
RL-5480-1-82	82	.445	.330	.250
RL-5480-1-100	100	.590	.300	.190
RL-5480-1-120	120	.640	.270	.190
RL-5480-1-150	150	.730	.245	.190
RL-5480-1-180	180	.850	.220	.190
RL-5480-1-220	220	1.20	.190	.150
RL-5480-1-270	270	1.32	.180	.150
RL-5480-1-330	330	1.75	.165	.120
RL-5480-1-390	390	1.95	.150	.120
RL-5480-1-470	470	2.00	.140	.120
RL-5480-1-560	560	2.90	.125	.095
RL-5480-1-680	680	3.10	.110	.095
RL-5480-1-820	820	4.30	.100	.076
RL-5480-1-1000	1000	5.50	.092	.060
RL-5480-1-1200	1200	6.30	.082	.060
RL-5480-1-1500	1500	7.20	.075	.060
RL-5480-1-1800	1800	9.60	.068	.046
RL-5480-1-2200	2200	11.5	.062	.046
RL-5480-1-2700	2700	13.0	.054	.046
RL-5480-1-3300	3300	17.0	.049	.036
RL-5480-1-3900	3900	19.0	.045	.036
RL-5480-1-4700	4700	24.0	.043	.030
RL-5480-1-5600	5600	29.0	.040	.030
RL-5480-1-6800	6800	42.0	.037	.024
RL-5480-1-8200	8200	60	.035	.018
RL-5480-1-10000	10000	70	.034	.018
RL-5480-1-12000	12000	75	.033	.018
RL-5480-1-15000	15000	110	.031	.015
RL-5480-1-18000	18000	125	.029	.015
RL-5480-1-22000	22000	135	.018	.015



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RL 5480-2				
Renco Part No.	Inductance (μ H)	Max. DCR OHMS	Saturation Current DC Amps 5% Drop	Rated Current (Amps)
RL-5480-2-3.9	3.9	.020	2.70	1.30
RL-5480-2-4.7	4.7	.022	2.50	1.30
RL-5480-2-5.6	5.6	.027	2.30	1.30
RL-5480-2-6.8	6.8	.029	2.10	1.30
RL-5480-2-8.2	8.2	.036	1.90	1.30
RL-5480-2-10	10	.041	1.70	1.30
RL-5480-2-12	12	.046	1.55	1.30
RL-5480-2-15	15	.050	1.40	1.30
RL-5480-2-18	18	.062	1.30	1.0
RL-5480-2-22	22	.071	1.20	1.0
RL-5480-2-27	27	.073	1.10	1.0
RL-5480-2-33	33	.090	.920	.800
RL-5480-2-39	39	.102	.840	.800
RL-5480-2-47	47	.120	.760	.800
RL-5480-2-56	56	.162	.700	.620
RL-5480-2-68	68	.186	.660	.620
RL-5480-2-82	82	.240	.580	.490
RL-5480-2-100	100	.270	.530	.490
RL-5480-2-120	120	.310	.460	.490
RL-5480-2-150	150	.372	.440	.490
RL-5480-2-180	180	.456	.390	.385
RL-5480-2-220	220	.535	.350	.385
RL-5480-2-270	270	.625	.320	.385
RL-5480-2-330	330	.816	.300	.300
RL-5480-2-390	390	1.0	.280	.250
RL-5480-2-470	470	1.2	.240	.250
RL-5480-2-560	560	1.3	.225	.250
RL-5480-2-680	680	1.8	.210	.190
RL-5480-2-820	820	2.1	.190	.190
RL-5480-2-1000	1000	3.0	.165	.150
RL-5480-2-1200	1200	3.3	.155	.150
RL-5480-2-1500	1500	3.5	.135	.150
RL-5480-2-1800	1800	5.7	.125	.120
RL-5480-2-2200	2200	6.2	.115	.095
RL-5480-2-2700	2700	7.6	.105	.095
RL-5480-2-3300	3300	8.5	.096	.095
RL-5480-2-3900	3900	10.3	.084	.076
RL-5480-2-4700	4700	11.3	.076	.076
RL-5480-2-5600	5600	13.0	.070	.076
RL-5480-2-6800	6800	17.0	.064	.060
RL-5480-2-8200	8200	20.0	.057	.060
RL-5480-2-10000	10000	27.0	.053	.046
RL-5480-2-12000	12000	31.0	.047	.046
RL-5480-2-15000	15000	45.0	.043	.036
RL-5480-2-18000	18000	51.0	.038	.036
RL-5480-2-22000	22000	60.0	.035	.030
RL-5480-2-27000	27000	66.0	.033	.030
RL-5480-2-33000	33000	100.0	.029	.030



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RL 5480-3				
Renco Part No.	Inductance (μH)	Max. DCR OHMS	Saturation Current DC Amps 5% Drop	Rated Current (Amps)
RL-5480-3-3.9	3.9	.022	6.8	1.60
RL-5480-3-4.7	4.7	.024	6.2	1.60
RL-5480-3-5.6	5.6	.025	5.6	1.60
RL-5480-3-6.8	6.8	.028	5.1	1.60
RL-5480-3-8.2	8.2	.030	4.6	1.60
RL-5480-3-10	10	.034	4.2	1.60
RL-5480-3-12	12	.038	3.8	1.60
RL-5480-3-15	15	.043	3.3	1.60
RL-5480-3-18	18	.049	3.1	1.60
RL-5480-3-22	22	.054	2.7	1.60
RL-5480-3-27	27	.059	2.5	1.60
RL-5480-3-33	33	.066	2.3	1.60
RL-5480-3-39	39	.078	2.2	1.60
RL-5480-3-47	47	.102	1.9	1.30
RL-5480-3-56	56	.138	1.6	1.0
RL-5480-3-68	68	.168	1.45	1.0
RL-5480-3-82	82	.174	1.3	1.0
RL-5480-3-100	100	.180	1.2	1.0
RL-5480-3-120	120	.234	1.1	.800
RL-5480-3-150	150	.276	1.0	.800
RL-5480-3-180	180	.300	.920	.800
RL-5480-3-220	220	.353	.860	.800
RL-5480-3-270	270	.500	.760	.620
RL-5480-3-330	330	.635	.700	.490
RL-5480-3-390	390	.720	.650	.490
RL-5480-3-470	470	.816	.600	.490
RL-5480-3-560	560	1.03	.540	.385
RL-5480-3-680	680	1.20	.510	.385
RL-5480-3-820	820	1.54	.450	.300
RL-5480-3-1000	1000	2.16	.390	.246
RL-5480-3-1200	1200	2.40	.360	.246
RL-5480-3-1500	1500	2.76	.340	.246
RL-5480-3-1800	1800	3.60	.300	.190
RL-5480-3-2200	2200	4.00	.245	.190
RL-5480-3-2700	2700	6.00	.238	.150
RL-5480-3-3300	3300	6.72	.225	.150
RL-5480-3-3900	3900	8.80	.200	.120
RL-5480-3-4700	4700	11.00	.185	.095
RL-5480-3-5600	5600	13.20	.170	.095
RL-5480-3-6800	6800	14.50	.150	.095
RL-5480-3-8200	8200	16.55	.140	.095
RL-5480-3-10000	10000	20.40	.130	.076
RL-5480-3-12000	12000	24.00	.120	.076
RL-5480-3-15000	15000	27.60	.100	.076
RL-5480-3-18000	18000	37.20	.096	.060
RL-5480-3-22000	22000	42.00	.088	.060
RL-5480-3-27000	27000	58.80	.082	.046
RL-5480-3-33000	33000	64.80	.074	.046
RL-5480-3-39000	39000	72.00	.064	.046
RL-5480-3-47000	47000	94.20	.046	.036
RL-5480-3-56000	56000	105.00	.043	.036
RL-5480-3-68000	68000	115.00	.040	.036



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RL 5480-4				
Renco Part No.	Inductance (μ H)	Max. DCR OHMS	Saturation Current DC Amps 5% Drop	Rated Current (Amps)
RL-5480-4-3.9	3.9	.016	14.2	2.60
RL-5480-4-4.7	4.7	.018	13.0	2.60
RL-5480-4-5.6	5.6	.021	11.0	2.60
RL-5480-4-6.8	6.8	.023	10.0	2.60
RL-5480-4-8.2	8.2	.026	9.50	2.60
RL-5480-4-10	10	.031	8.80	2.60
RL-5480-4-12	12	.036	7.90	2.60
RL-5480-4-15	15	.040	7.10	2.60
RL-5480-4-18	18	.041	7.40	2.60
RL-5480-4-22	22	.043	6.10	2.60
RL-5480-4-27	27	.046	5.50	2.60
RL-5480-4-33	33	.051	5.20	2.60
RL-5480-4-39	39	.054	4.50	2.60
RL-5480-4-47	47	.063	4.10	2.60
RL-5480-4-56	56	.075	3.80	2.60
RL-5480-4-68	68	.078	3.50	2.60
RL-5480-4-82	82	.088	3.10	2.60
RL-5480-4-100	100	.108	2.80	2.00
RL-5480-4-120	120	.127	2.60	2.00
RL-5480-4-150	150	.162	2.40	1.60
RL-5480-4-180	180	.228	2.10	1.30
RL-5480-4-220	220	.252	1.90	1.30
RL-5480-4-270	270	.270	1.75	1.30
RL-5480-4-330	330	.394	1.62	1.00
RL-5480-4-390	390	.416	1.40	1.00
RL-5480-4-470	470	.568	1.30	.800
RL-5480-4-560	560	.650	1.20	.800
RL-5480-4-680	680	.740	1.10	.800
RL-5480-4-820	820	1.00	.960	.620
RL-5480-4-1000	1000	1.20	.880	.490
RL-5480-4-1200	1200	1.50	.800	.490
RL-5480-4-1500	1500	1.70	.720	.490
RL-5480-4-1800	1800	1.80	.660	.385
RL-5480-4-2200	2200	2.40	.600	.385
RL-5480-4-2700	2700	2.80	.540	.385
RL-5480-4-3300	3300	3.70	.480	.300
RL-5480-4-3900	3900	5.00	.420	.250
RL-5480-4-4700	4700	5.60	.400	.250
RL-5480-4-5600	5600	6.30	.370	.250
RL-5480-4-6800	6800	8.40	.340	.190
RL-5480-4-8200	8200	9.60	.310	.190
RL-5480-4-10000	10000	10.5	.285	.190
RL-5480-4-12000	12000	14.5	.245	.150
RL-5480-4-15000	15000	20.5	.225	.120
RL-5480-4-18000	18000	27.5	.185	.095
RL-5480-4-22000	22000	31.0	.170	.095
RL-5480-4-27000	27000	35.5	.155	.095
RL-5480-4-33000	33000	40.0	.145	.095
RL-5480-4-39000	39000	51.0	.135	.095
RL-5480-4-47000	47000	56.0	.130	.095
RL-5480-4-56000	56000	77.0	.120	.060
RL-5480-4-68000	68000	84.0	.110	.060
RL-5480-4-82000	82000	115.0	.074	.046
RL-5480-4-100000	100000	130.0	.068	.046



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RL 5480-5				
Renco Part No.	Inductance (μH)	Max. DCR OHMS	Saturation Current DC Amps 5% Drop	Rated Current (Amps)
RL-5480-5-3.9	3.9	.009	9.70	4.0
RL-5480-5-4.7	4.7	.010	8.50	4.0
RL-5480-5-5.6	5.6	.011	7.60	4.0
RL-5480-5-6.8	6.8	.012	7.20	4.0
RL-5480-5-8.2	8.2	.013	6.60	4.0
RL-5480-5-10	10	.015	5.90	4.0
RL-5480-5-12	12	.016	5.50	4.0
RL-5480-5-15	15	.017	5.00	4.0
RL-5480-5-18	18	.019	4.60	4.0
RL-5480-5-22	22	.021	4.10	4.0
RL-5480-5-27	27	.023	3.70	4.0
RL-5480-5-33	33	.027	3.30	4.0
RL-5480-5-39	39	.029	3.00	4.0
RL-5480-5-47	47	.031	2.70	4.0
RL-5480-5-56	56	.035	2.50	4.0
RL-5480-5-68	68	.041	2.40	4.0
RL-5480-5-82	82	.052	2.30	4.0
RL-5480-5-100	100	.056	2.10	4.0
RL-5480-5-120	120	.060	1.90	3.3
RL-5480-5-150	150	.078	1.60	3.3
RL-5480-5-180	180	.096	1.45	3.3
RL-5480-5-220	220	.147	1.30	2.6
RL-5480-5-270	270	.175	1.20	2.6
RL-5480-5-330	330	.192	1.10	2.0
RL-5480-5-390	390	.210	1.00	2.0
RL-5480-5-470	470	.240	.900	2.0
RL-5480-5-560	560	.315	.840	1.60
RL-5480-5-680	680	.360	.780	1.60
RL-5480-5-820	820	.460	.640	1.30
RL-5480-5-1000	1000	.540	.575	1.30
RL-5480-5-1200	1200	.660	.560	1.30
RL-5480-5-1500	1500	.780	.520	1.0
RL-5480-5-1800	1800	.900	.480	1.0
RL-5480-5-2200	2200	1.20	.440	.800
RL-5480-5-2700	2700	1.32	.400	.800
RL-5480-5-3300	3300	1.80	.360	.620
RL-5480-5-3900	3900	2.10	.330	.620
RL-5480-5-4700	4700	2.70	.300	.490
RL-5480-5-5600	5600	3.15	.280	.490
RL-5480-5-6800	6800	3.60	.240	.490
RL-5480-5-8200	8200	4.30	.215	.385
RL-5480-5-10000	10000	5.15	.195	.385
RL-5480-5-12000	12000	5.85	.180	.385
RL-5480-5-15000	15000	8.30	.165	.300
RL-5480-5-18000	18000	10.20	.145	.250
RL-5480-5-22000	22000	11.70	.135	.250
RL-5480-5-27000	27000	13.60	.120	.250
RL-5480-5-33000	33000	18.40	.105	.190
RL-5480-5-39000	39000	21.0	.096	.190
RL-5480-5-47000	47000	27.0	.084	.150
RL-5480-5-56000	56000	30.0	.078	.150
RL-5480-5-68000	68000	34.0	.072	.150
RL-5480-5-82000	82000	51.0	.066	.120
RL-5480-5-100000	100000	64.0	.060	.095
RL-5480-5-120000	120000	72.0	.054	.095
RL-5480-5-150000	150000	84.0	.050	.095
RL-5480-5-180000	180000	106.0	.044	.076
RL-5480-5-220000	220000	120.0	.041	.076
RL-5480-5-270000	270000	174.0	.039	.060

NOTES:

1. Inductance $\pm 10\%$, measured at 1 KHz, (meter ESI #252).
2. Values below 10μH $\pm 20\%$.
3. Coils finished with 135° C rated shrink sleeve.
4. Maximum temperature range -55°C to +130°C.
5. DCR measured at 20° C.
6. 5% tolerance optional on values 22 μH and above.



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