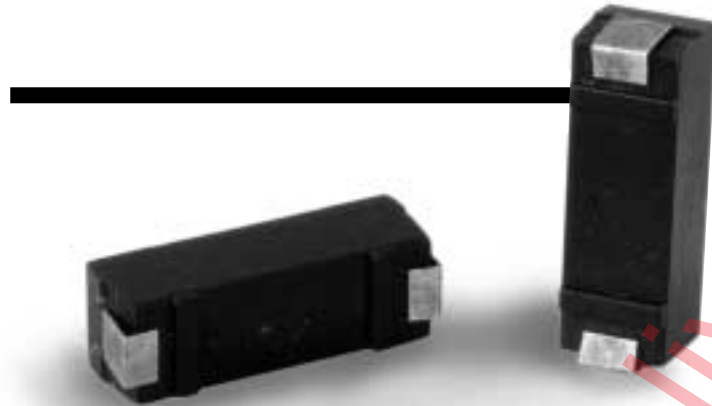


RL-4294

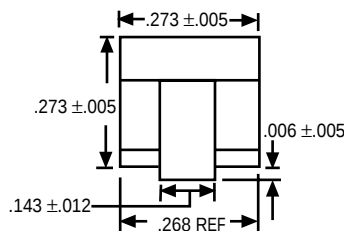
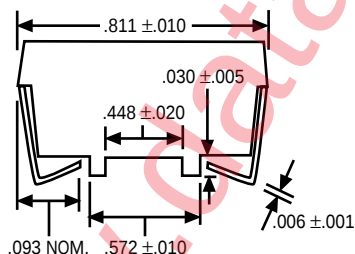
SMT POWER INDUCTOR



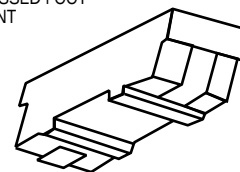
The RL-4294 Series Surface Mount Inductors have the same electrical Specifications as our very popular RL-1294 Series. They are molded in a thermoset epoxy resin which make them extremely rugged and capable of withstanding the short term, high temperatures required for today's modern soldering techniques. The RL-4294 Inductors are unaffected by water or chemical solvent washes. Consult the Renco Engineering Department for any special requirements.

Typical Applications:

- Buck/Boost Switching Regulators
- Telecommunications
- DC Power Supplies
- RFI/EMC Filtering
- Surge Suppression
- Power Amplifiers

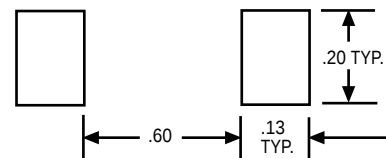


RECESSED FOOT
MOUNT



ALL DIMENSIONS IN INCHES

SUGGESTED PAD GEOMETRY



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-4294 Renco Part No.	Inductance at 0 DC (μ H)	Max. DCR (Ohms) @ +20°C	Saturation Current (DC Amps) Approx.	Suggested Rated Current (Amps)
RL-4294-3.9	3.9	.019	3.6	1.28
RL-4294-4.7	4.7	.027	3.3	1.28
RL-4294-5.6	5.6	.024	3.0	1.28
RL-4294-6.8	6.8	.026	2.7	1.28
RL-4294-8.2	8.2	.028	2.5	1.28
RL-4294-10	10	.033	2.3	1.28
RL-4294-12	12	.037	2.1	1.28
RL-4294-15	15	.040	1.9	1.28
RL-4294-18	18	.044	1.7	1.28
RL-4294-22	22	.050	1.5	1.28
RL-4294-27	27	.058	1.4	1.28
RL-4294-33	33	.075	1.3	1.008
RL-4294-39	39	.094	1.2	.804
RL-4294-47	47	.109	1.1	.804
RL-4294-56	56	.140	0.97	.804
RL-4294-68	68	.145	0.88	.804
RL-4294-82	82	.152	0.80	.804
RL-4294-100	100	.208	0.73	.632
RL-4294-120	120	.283	0.66	.508
RL-4294-150	150	.340	0.60	.508
RL-4294-180	180	.362	0.54	.508
RL-4294-220	220	.430	0.49	.508
RL-4294-270	270	.557	0.45	.400
RL-4294-330	330	.665	0.40	.400
RL-4294-390	390	.772	0.37	.400
RL-4294-470	470	1.15	0.34	.315
RL-4294-560	560	1.27	0.31	.315
RL-4294-680	680	1.61	0.28	.250
RL-4294-820	820	1.96	0.26	.200
RL-4294-1000	1000	2.30	0.23	.200
RL-4294-1200	1200	2.65	0.21	.200
RL-4294-1500	1500	3.45	0.19	.158
RL-4294-1800	1800	4.03	0.18	.158
RL-4294-2200	2200	4.48	0.16	.158
RL-4294-2700	2700	5.90	0.14	.125
RL-4294-3300	3300	6.56	0.13	.125
RL-4294-3900	3900	8.63	0.12	.100
RL-4294-4700	4700	10.5	0.11	.100
RL-4294-5600	5600	13.9	0.10	.082
RL-4294-6800	6800	16.3	0.09	.082
RL-4294-8200	8200	20.8	0.08	.065
RL-4294-10000	10000	26.4	0.08	.050
RL-4294-12000	12000	29.9	0.07	.050
RL-4294-15000	15000	42.5	0.06	.039
RL-4294-18000	18000	48.3	0.06	.039

NOTES:

1. Inductance, $\pm 10\%$ at 1KHz $\emptyset$ Amps.
2. Saturation current lowers inductance approx. 5%.
3. Switching Frequencies to 250 KHz.
4. Suggested maximum voltage, 100V.
5. Temperature rise at rated current approx. 35°C.
6. Maximum temperature range -55° to +130°C.
7. Available tape and reel for auto insertion.



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