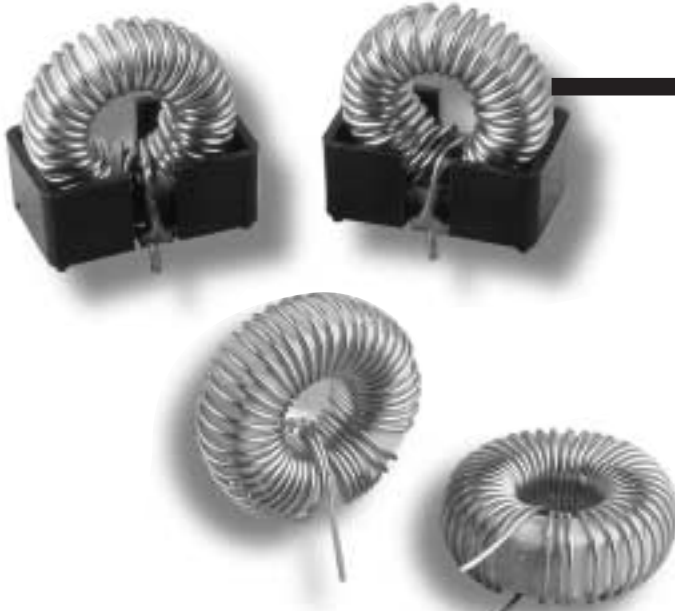


RL-3435

RL-4435

TOROIDAL POWER INDUCTOR

SELF LEADED AND CLIPMOUNT



The RL-3435 and the RL-4435 are a series of compact toroids that are excellent alternatives to regular chokes or inductors. Featuring a no radiation design, they are perfect for use in switching power supplies and circuits where EMI must be eliminated. Small size in conjunction with their PC mounting make them suitable for high density packaging and easy insertion.

Special Features:

- Rugged construction
- Single layer design
- Operating temperature: -55°C to $+130^{\circ}\text{C}$
- All flame retardent materials

ELECTRICAL CHARACTERISTICS AT 25°C

Renco Part # Without Clip Mount Package	REFERENCE OPERATING VALUES			DESIGN CONTROL					Clip Mount Package	Renco Part # With Clip Mount Package
	Inductance Typical (μH)(1)	Idc (Amps)	ETop ($\text{V}\cdot\mu\text{Sec}$)	Inductance No D.C. +20 (μH)-12%	DCR (Ohms) Max.	Coil Size Code	Lead Dia. (In. + .003)	Min. Energ. Storage (μJ) (2)		
RL-3435-20-2.0	20	2.0	52	32.8	.06	H	.020	40	N/A	N/A
RL-3435-25-2.5	25	2.5	30	20.7	.04	A	.020	75	CM1	RL-4435-25-2.5
RL-3435-50-2.5	50	2.5	50	45.7	.07	B	.020	150	CM2	RL-4435-50-2.5
RL-3435-100-2.5	100	2.5	90	94.1	.10	C	.020	300	CM3	RL-4435-100-2.5
RL-3435-35-2.5	35	2.5	55	28.4	.04	B	.025	110	CM2	RL-4435-35-2.5
RL-3435-70-3.0	70	3.0	85	61.0	.05	C	.025	300	CM3	RL-4435-70-3.0
RL-3435-145-3.0	145	3.0	140	141.8	.08	D	.025	650	CM4	RL-4435-145-3.0
RL-3435-285-3.0	285	3.0	300	264.1	.14	E	.025	1275	CM5	RL-4435-285-3.0
RL-3435-450-3.0	450	3.0	425	463.3	.20	F	.025	2000	N/A	N/A
RL-3435-100-3.5	100	3.5	130	90.7	.04	D	.032	600	CM4	RL-4435-100-3.5
RL-3435-165-4.0	165	4.0	240	152.0	.07	E	.032	1300	CM5	RL-4435-165-4.0
RL-3435-270-4.0	270	4.0	350	263.9	.10	F	.032	2150	N/A	N/A
RL-3435-40-4.0	40	4.0	70	37.9	.03	C	.032	300	CM3	RL-4435-40-4.0
RL-3435-12-5.0	12	5.0	44	20.3	.03	G	.032	150	N/A	N/A
RL-3435-100-5.0	100	5.0	200	90.7	.04	E	.042	1250	CM5	RL-4435-100-5.0
RL-3435-170-5.0	170	5.0	300	159.7	.05	F	.042	2100	N/A	N/A
RL-3435-55-5.0	55	5.0	100	54.9	.02	D	.042	650	CM4	RL-4435-55-5.0
RL-3435-95-7.0	95	7.0	225	96.0	.03	F	.051	2300	N/A	N/A
RL-3435-55-7.0	55	7.0	150	49.1	.02	E	.051	1300	CM5	RL-4435-55-7.0
RL-3435-55-10.0	55	10.0	175	55.9	.02	F	.064	2750	N/A	N/A

NOTES:

1. Idc and ET_{op} values show point of typical inductance.
2. LI^2 rating is the ability of the inductor to store energy.
3. Tested at 20KHz/100mVac.

HIGH SRF - ONE LAYER DESIGN



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