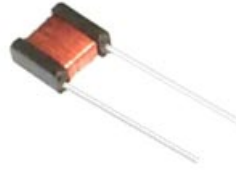


FLAT RADIAL LEAD INDUCTOR COILS

FRL SERIES



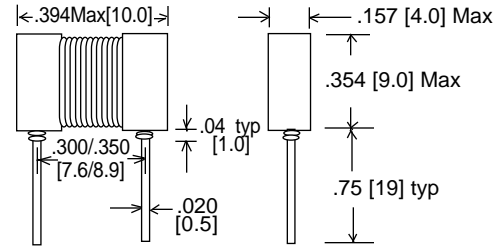
FEATURES

- Narrow size for densely populated boards
- Low cost
- High Q
- 0.82μH to 10mH

OPTIONS

- Option 'ER' Military Screening: per MIL-C-15305 (Thermal Shock -25/+85°, DCR, Inductance, Vis/Mech Insp)
- Option '-A': units marked with inductance value
- Option '-55': 1KHz Test Frequency
- Non-standard values, increased current, increased temp.
- Encapsulated version

RCD's FRL is an economical inductor with a space-saving flat coil design. The unique characteristics of the rectangular geometry enable a wide range of inductance and high Q values for use at radio as well as audio frequencies. Construction is open-frame wirewound utilizing a ferrite core.



Inductance Value (μH)	Test Frequency (MHz)	Q (Min.)	DCR Ω (Max.)	Rated Current (A)
0.82	25	37	.010	7.4
1.0	7.9	40	.011	7.0
1.2	7.9	39	.012	6.0
1.5	7.9	33	.014	5.0
1.8	7.9	37	.020	4.8
2.2	7.9	38	.025	4.4
2.5	7.9	40	.030	4.1
2.7	7.9	43	.028	4.0
3.3	7.9	35	.036	3.7
3.9	7.9	37	.048	3.4
4.7	7.9	37	.053	3.2
5.0	7.9	40	.080	2.9
5.6	7.9	35	.092	2.8
6.8	7.9	29	.113	2.6
7.5	7.9	30	.114	2.5
8.2	7.9	32	.116	2.2
10	7.9	40	.160	2.1
12	2.5	40	.140	2.0
15	2.5	40	.158	1.6
18	2.5	40	.180	1.5
22	2.5	40	.230	1.4
27	2.5	50	.285	1.3
33	2.5	45	.346	1.2
39	2.5	45	.371	1.1
47	2.5	45	.502	1.0
56	2.5	40	.687	.95
68	2.5	40	.888	.90
75	2.5	40	1.19	.86
82	2.5	50	1.20	.85

Inductance Value (μH)	Test Frequency (MHz)	Q (Min.)	DCR Ω (Max.)	Rated Current (A)
100	2.5	60	1.60	.75
120	.79	70	1.72	.65
150	.79	60	1.95	.60
180	.79	70	2.07	.58
220	.79	50	2.18	.49
250	.79	40	2.70	.49
270	.79	50	2.53	.45
330	.79	50	3.33	.41
390	.79	45	3.45	.39
470	.79	40	5.20	.35
500	.79	35	5.30	.34
560	.79	40	5.40	.32
680	.79	45	5.90	.29
750	.79	30	6.00	.28
820	.79	40	6.32	.27
1000	.79	40	8.60	.22
1200	.25	70	10.0	.21
1500	.25	62	14.3	.19
1800	.25	62	15.8	.17
2200	.25	60	17.7	.15
2500	.25	60	18.0	.14
2700	.25	60	19.3	.14
3300	.25	50	21.7	.13
3900	.25	50	26.0	.12
4700	.25	50	29.9	.11
5000	.25	45	31.0	.10
6000	.25	35	41.0	.09
7500	.25	25	50.0	.08
10000	.25	25	70.0	.07

SPECIFICATIONS

Tolerance: ±10% standard (±5% and ±20% available)
 Temperature Range: -40 to +105°C
 Temperature Rise: 20°C typ. at full rated current

APPLICATIONS: Typical applications include noise filtering, DC/DC converters, switching regulators, audio equipment, telecom, RF circuits, audio filters, hash filters, power supplies, power amplifiers, etc. Customized models available for specific applications (consult factory).

FA011A Specifications subject to change without notice

P/N DESIGNATION:

