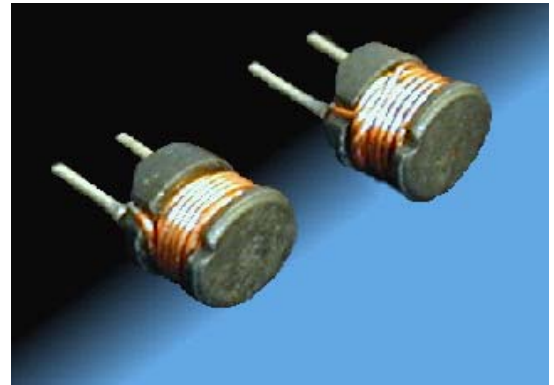
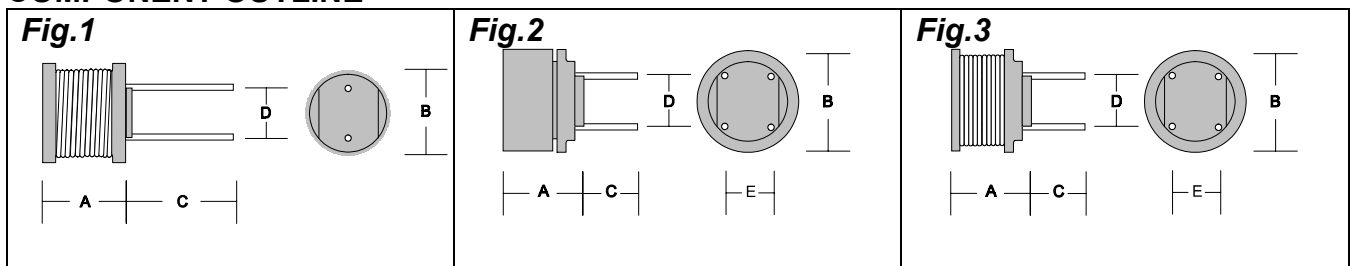


## RCH/R Series

- 7 Standard Core Options
- High Quality Construction
- Wide Inductance Range
- Hard Wire Terminations
- UL Sleeve Option for RCH Type
- Typical Pack Size 5000pcs



### COMPONENT OUTLINE

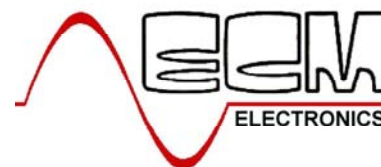


(1,3 = RCH Type, 2 = RCR Type)

### DIMENSIONS (mm)

ECM Type	Inductance Range	Outline (Fig.)	A (mm)	B	C	D	E	Pin Dia.
RCH-654	22uH~1.0mH	1	5.0	6.0	4.0	4.0	N/A	0.5
RCH-664	22uH~1.0mH	1	6.5	6.0	4.0	4.0	N/A	0.5
RCH-855	10uH~10mH	1	5.5	7.8	5.0	5.0	N/A	0.7
RCH-875	10uH~10mH	1	7.5	7.8	5.0	5.0	N/A	0.7
RCH-895	10uH~47mH	1	9.5	7.8	5.0	5.0	N/A	0.7
RCH-110	10uH~1.0mH	3	10.0	10.0	3.5	5.0	4.0	0.7
RCR-108D	10uH~1.0mH	2	8.0	10.0	3.5	5.0	4.0	0.7
RCR-110D	10uH~1.0mH	2	10.0	10.0	3.5	5.0	4.0	0.7

# ECM Radial Leaded Inductors



## RCH654 – RCH664 – RCH855 – RCH875 – RCH895 – RCH110

L (uH)	dcR ( $\Omega$ ) Max.						Nominal Rated dc Current (A)					
	RCH654	RCH664	RCH855	RCH875	RCH895	RCH110	RCH654	RCH664	RCH855	RCH875	RCH895	RCH110
10			0.07	0.05	0.04	0.02			2.50	2.90	2.60	5.30
12			0.08	0.06	0.04	0.02			2.40	2.50	2.60	4.90
15			0.09	0.07	0.05	0.02			2.10	2.20	2.10	4.40
18			0.10	0.08	0.05	0.03			2.00	1.90	2.00	4.00
22	0.18	0.11	0.12	0.09	0.06	0.03	0.90	1.27	1.70	1.80	1.70	3.60
27	0.21	0.14	0.14	0.11	0.06	0.04	0.81	1.14	1.60	1.70	1.60	3.30
33	0.27	0.17	0.17	0.13	0.07	0.05	0.74	1.03	1.40	1.50	1.40	2.90
39	0.29	0.19	0.21	0.14	0.08	0.07	0.68	0.95	1.30	1.35	1.40	2.70
47	0.34	0.23	0.24	0.15	0.10	0.08	0.62	0.87	1.20	1.30	1.30	2.50
56	0.42	0.26	0.31	0.18	0.11	0.09	0.57	0.80	1.10	1.20	1.20	2.30
68	0.48	0.28	0.34	0.20	0.14	0.12	0.51	0.72	1.00	1.10	1.10	2.10
82	0.55	0.39	0.40	0.24	0.16	0.14	0.47	0.66	0.93	1.00	1.00	1.90
100	0.68	0.43	0.52	0.28	0.19	0.16	0.42	0.59	0.81	0.89	0.90	1.70
120	0.77	0.54	0.59	0.36	0.22	0.20	0.39	0.54	0.76	0.81	0.82	1.50
150	0.95	0.64	0.71	0.42	0.27	0.23	0.35	0.48	0.67	0.72	0.74	1.40
180	1.15	0.74	0.89	0.57	0.31	0.31	0.32	0.44	0.62	0.66	0.71	1.30
220	1.30	0.96	1.04	0.63	0.38	0.34	0.29	0.40	0.54	0.57	0.64	1.20
270	1.55	1.12	1.28	0.88	0.53	0.40	0.26	0.36	0.49	0.51	0.57	1.00
330	2.18	1.48	1.47	1.05	0.61	0.52	0.23	0.33	0.44	0.46	0.51	0.93
390	2.47	1.66	1.67	1.17	0.69	0.65	0.21	0.30	0.41	0.44	0.48	0.86
470	2.92	1.91	1.95	1.34	0.89	0.71	0.20	0.27	0.38	0.41	0.43	0.78
560	3.97	2.31	2.83	1.72	1.01	1.00	0.18	0.25	0.35	0.36	0.40	0.71
680	4.57	2.67	3.25	1.96	1.18	1.10	0.16	0.23	0.32	0.33	0.35	0.65
820	5.28	3.10	3.82	2.56	1.57	1.30	0.15	0.21	0.31	0.30	0.32	0.59
1000	7.06	4.45	5.28	2.94	1.84	1.70	0.13	0.19	0.25	0.27	0.30	0.53
1200			6.03	4.04	2.10				0.32	0.24	0.27	
1500			7.15	4.70	2.80				0.21	0.22	0.23	
1800			8.26	5.05	3.21				0.20	0.20	0.21	
2200			11.10	6.25	4.21				0.18	0.18	0.19	
2700			13.10	8.72	4.94				0.16	0.16	0.17	
3300			15.90	10.60	6.16				0.14	0.15	0.15	
3900			18.00	14.20	6.84				0.13	0.14	0.14	
4700			23.90	16.70	7.89				0.12	0.12	0.13	
5600			26.80	18.70	11.50				0.11	0.11	0.12	
6800			31.70	21.80	13.20				0.10	0.10	0.11	
8200			46.50	28.70	15.20				0.09	0.09	0.10	
10000			55.70	33.00	22.00				0.08	0.08	0.09	
12000					25.00						0.08	
15000					29.10						0.07	
18000					38.90						0.07	
22000					44.90						0.06	
27000					55.70						0.05	
33000					64.20						0.05	
39000					74.20						0.04	
47000					96.40						0.04	
56000												
68000												
82000												
100000												

**TOLERANCES M= 20% (10uH~18uH); K= 10% (22uH~47.0mH).**

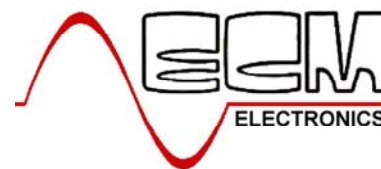
**Test Frequency = 2.52MHz (10uH~82uH)**

**1.0kHz (100uH~47.0mH)**

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Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.

# ECM Radial Leaded Inductors



## RCR-108D – RCR110D

L (uH)	dcR ( $\Omega$ ) Max.		Nominal Rated dc Current (A)	
	RCR108D	RCR110D	RCR108D	RCR110D
10	0.05	0.02	2.80	3.90
12	0.06	0.02	2.50	3.60
15	0.07	0.03	2.30	3.20
18	0.08	0.03	2.10	2.90
22	0.09	0.04	2.00	2.60
27	0.10	0.05	1.76	2.40
33	0.11	0.06	1.60	2.10
39	0.12	0.07	1.38	2.00
47	0.14	0.10	1.28	1.80
56	0.15	0.11	1.20	1.60
68	0.16	0.15	1.00	1.50
82	0.18	0.16	0.96	1.40
100	0.20	0.19	0.92	1.20
120	0.24	0.21	0.80	1.10
150	0.35	0.23	0.73	1.00
180	0.40	0.26	0.64	0.92
220	0.54	0.29	0.61	0.83
270	0.76	0.36	0.56	0.75
330	0.86	0.51	0.50	0.68
390	0.93	0.69	0.44	0.62
470	1.23	0.98	0.41	0.57
560	1.34	1.10	0.38	0.52
680	1.53	1.20	0.34	0.47
820	2.10	1.30	0.32	0.43
1000	2.30	1.50	0.28	0.39

**TOLERANCES M= 20% (10uH~47uH); L= 15% (56uH~1.0mH).**

**Test Frequency = 2.52MHz (10uH~82uH)  
1.0kHz (100uH~1.0mH)**