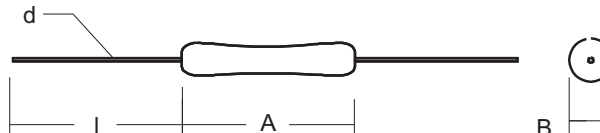


# THRU-HOLE INDUCTORS

## IA Series: Axial Leaded, Low Current

### FEATURES

- Epoxy coated
- Operating temperature: -25°C to 85°C



Inductance Code	Tolerance %	Test FREQ. (MHz)	IA0204 Size:A=3.4(max),B=2.3(max) d=0.45, l=20(typ.)				IA0307 Size:A=7.5(max),B=3.0(max) d=0.5, l=25(typ.)				IA0405 Size:A=4.8(max),B=3.8(max) D=0.6, l=25(typ.)				IA0410 Size:A=10.5(max),B=4.0(max) d=0.65, l=25(typ.)					
			Q (min)	SRF MHz (min)	RDC W (max)	IDC mA (max)	Q (min)	SRF MHz (min)	RDC W (max)	IDC mA (max)	Q (min)	SRF MHz (min)	RDC W (max)	IDC mA (max)	Q (min)	SRF MHz (min)	RDC W (max)	IDC mA (max)		
R10	.10	20	M	25.2	35	300	0.18	700	45	480	0.06	1400					50	480	0.06	1700
R12	.12	20	M	25.2	35	300	0.20	660	45	450	0.06	1350					50	450	0.06	1640
R15	.15	20	M	25.2	35	300	0.22	620	45	420	0.07	1270					50	420	0.07	1560
R18	.18	20	M	25.2	35	300	0.24	600	45	400	0.07	1200					50	400	0.07	1480
R22	.22	20	M	25.2	35	150	0.40	400	45	380	0.08	1150	50	200.0	0.08	1400	50	380	0.08	1400
R27	.27	20	M	25.2	35	150	0.43	380	45	360	0.09	1110	50	180.0	0.09	1350	50	340	0.09	1320
R33	.33	20	M	25.2	35	150	0.48	370	45	320	0.10	1110	50	160.0	0.10	1300	50	300	0.10	1280
R39	.39	20	M	25.2	35	150	0.51	350	45	310	0.12	1000	50	140.0	0.11	1250	50	280	0.12	1200
R47	.47	20	M	25.2	35	150	0.56	330	45	300	0.12	1000	50	130.0	0.12	1200	50	250	0.13	1150
R56	.56	20	M	25.2	35	150	0.61	320	45	280	0.18	950	50	120.0	0.14	1150	50	230	0.14	1100
R68	.68	20	M	25.2	35	150	0.67	310	45	240	0.20	900	50	120.0	0.15	1100	50	210	0.15	1030
R82	.82	20	M	25.2	35	150	0.74	290	45	200	0.22	900	50	90.0	0.16	1050	50	172	0.16	980
1R0	1.0	20	M	25.2	35	150	0.80	270	45	180	0.25	815	50	85.0	0.17	1000	50	157	0.17	920
1R2	1.2	20	M	7.96	40	11	0.90	260	45	160	0.28	740	50	80.0	0.18	900	50	144	0.18	880
1R5	1.5	20	M	7.96	40	80	1.00	250	45	140	0.30	700	50	75.0	0.20	800	50	131	0.20	830
1R8	1.8	20	M	7.96	40	60	1.10	240	45	120	0.35	655	50	57.0	0.22	770	50	121	0.22	790
2R2	2.2	20	M	7.96	40	45	1.20	230	45	110	0.40	630	50	47.0	0.24	750	50	110	0.24	750
2R7	2.7	20	M	7.96	40	40	1.30	220	45	85	0.45	595	50	42.0	0.26	710	60	100	0.25	720
3R3	3.3	10	K	7.96	40	38	1.40	210	45	74	0.50	575	50	37.0	0.28	670	60	94	0.30	670
3R9	3.9	10	K	7.96	40	35	1.50	200	45	62	0.55	555	50	35.0	0.30	620	60	86	0.35	640
4R7	4.7	10	K	7.96	40	32	1.70	190	45	48	0.60	530	50	31.0	0.34	560	70	80	0.40	620
5R6	5.6	10	K	7.96	40	30	1.90	180	45	35	0.65	500	50	27.0	0.45	540	70	74	0.45	590
6R8	6.8	10	K	7.96	40	28	2.00	175	45	28	0.70	470	50	25.0	0.50	520	70	68	0.50	550
8R2	8.2	10	K	7.96	40	26	2.20	165	45	20	0.80	425	50	23.0	0.57	490	80	53	0.60	530
100	10	10	K	7.96	40	24	2.50	160	45	18	0.85	370	50	21.0	0.62	460	80	40	0.65	500
120	12	10	K	2.52	40	22	2.50	150	45	16	0.90	350	50	18.0	0.90	360	70	34	0.70	480
150	15	10	K	2.52	40	20	2.80	145	45	14	1.00	335	50	16.0	1.00	340	70	20	0.75	460
180	18	10	K	2.52	40	18	3.10	140	45	12	1.20	315	50	15.0	1.10	310	60	14	0.80	430
220	22	10	K	2.52	40	17	3.40	100	45	10	1.35	285	50	13.0	1.20	280	60	909	0.90	410
270	27	10	K	2.52	40	16	4.30	80	45	9	1.80	270	50	12.0	1.30	260	50	7.6	1.00	390
330	33	10	K	2.52	40	14	4.70	75	45	8	2.10	255	50	11.0	1.70	240	50	6.5	1.10	370
390	39	10	K	2.52	40	13	5.20	74	45	7.5	2.30	240	50	10.0	1.90	220	50	6.5	1.20	350
470	47	10	K	2.52	40	12	5.80	70	50	7	2.60	205	50	10.0	2.20	210	45	6.3	1.30	340
560	56	10	K	2.52	40	11	6.40	68	50	6.5	2.90	195	50	9.0	2.40	190	45	6.2	1.50	320
680	68	10	K	2.52	40	10	7.20	64	50	6	3.20	185	50	8.5	3.00	175	40	5.7	1.80	305
820	82	10	K	2.52	40	9.5	11.0	46	50	5.5	3.80	175	50	8.0	3.30	165	35	5.3	2.00	290
101	100	10	K	2.52	40	9.0	12.0	44	50	5	4.20	165	50	7.0	4.00	155	30	4.8	2.50	275
121	120	10	K	0.796	40	8.0	13.0	42	50	4.8	4.50	160	50	6.5	4.50	145	60	3.8	3.00	185
151	150	10	K	0.796	40	6.0	16.0	39	50	4.5	5.00	150	50	6.0	4.90	130	60	3.5	4.00	175
181	180	10	K	0.796	40	5.5	18.0	37	50	4	6.00	140	50	5.3	6.00	125	60	3.0	4.50	165
221	220	10	K	0.796	40	5.0	20.0	35	50	3.5	7.00	130	50	5.0	7.00	120	60	2.8	5.00	155
271	270	10	K	0.796	40	4.6	25.0	28	50	3	7.50	120	50	4.6	9.00	105	60	2.6	6.00	145
331	330	10	K	0.796	40	4.2	30.0	26	50	2.8	8.00	100	50	4.2	13.00	95	60	2.4	6.50	137
391	390	10	K	0.796	40	3.8	34.0	25	50	2.6	10.0	95	50	3.8	15.00	90	55	2.0	7.50	133
471	470	10	K	0.796	40	3.5	38.0	24	50	2.4	13.0	90	50	3.4	17.00	80	50	1.8	8.50	126
561	560	10	K	0.796					50	2.0	15.0	85	50	2.8	19.00	75	50	1.6	9.50	120
681	680	10	K	0.796					50	1.8	16.0	75	50	2.6	21.00	70	45	1.6	12.0	113
821	820	10	K	0.796					50	1.6	23.0	65	50	2.4	25.00	60	45	1.4	14.0	105
102	1000	10	K	0.796					50	1.4	26.0	60	50	2.2	31.00	55	40	1.2	20.0	85

Other similar sizes (IA 0205 and IA 0512) and specifications can be available.  
Contact RFE International Inc. For details.

### HOW TO MAKE A PART NUMBER

IA0204 - 3R9 K R  
(1) (2) (3) (4)

- 1 - Size Code
- 2 - Inductance Code
- 3 - Tolerance Code (K or M)

- 4 - Packaging: R - Tape & Reel  
A - Tape & Ammo\*  
Omit for Bulk

\* T-52 Tape & Ammo Pack, per EIA RS-296, is standard tape package.