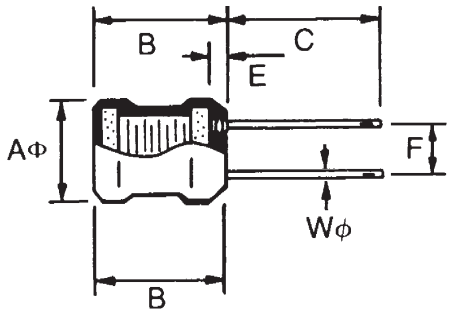
THRU-HOLE INDUCTORS

IR Series: Radial Leaded, Low to Medium Current

Physical Dimensions (mm)

Part Number	A max	B max	C min	E max	F ±0.5	W
IRB0406	5	7	20	2	2.1	0.50
IRB0507	6	8	5.5	2	2.5	0.60
IRB0608	7	9	4	2	3.5	0.60
IRB0910	9.5	11	4	3	5	0.60



SPECIFICATIONS

		IRB0406 (Test Freq 1KHz)				IRB0507					IRB0608					IRB0910				
Code	L (H)	Tol Code	SRF (MHz)	Rdc Max ( )	Idc (mA)	Tol Code	Test Freq (MHz)	SRF (MHz)	Rdc Max ( )	Idc (mA)	Tol Code	Test Freq (MHz)	SRF (MHz)	Rdc Max (W)	Idc (mA)	Tol Code	Test Freq (MHz)	SRF (MHz)	Rdc Max (W)	Idc (A)
R22	0.22	M	110.00	0.18	700															
R27	0.27	M	110.00	0.18	700															
R33	0.33	M	110.00	0.18	700															
R39	0.39	M	110.00	0.18	700															
R47	0.47	M	110.00	0.18	700															
R56	0.56	M	110.00	0.18	700															
R68	0.68	M	110.00	0.18	700															
R82	0.82	M	110.00	0.18	700															
1R0	1.0	M	105.00	0.19	600															
1R2	1.2	M	90.00	0.20	570															
1R5	1.5	M	75.00	0.22	540															
1R8	1.8	M	65.00	0.23	510															
2R2	2.2	M	55.00	0.25	480															
2R7	2.7	M	50.00	0.31	460															
3R3	3.3	M	45.00	0.34	430															
3R9	3.9	M	40.00	0.38	410															
4R7	4.7	M	35.00	0.41	400															
5R6	5.6	M	30.00	0.48	380															
6R8	6.8	M	28.00	0.52	360															
8R2	8.2	M	26.00	0.60	340															
100	10	K	22.00	0.37	330	J, K	2.52	20.00	0.09	1100	J, K	2.52	17.00	0.13	780	J, K	2.52	16.00	0.07	4.0
120	12	K	19.00	0.45	320	J, K	2.52	18.00	0.10	1000	J, K	2.52	15.00	0.15	730	J, K	2.52	12.00	0.07	4.0
150	15	K	18.00	0.46	310	J, K	2.52	16.00	0.12	800	J, K	2.52	13.00	0.17	650	J, K	2.52	7.00	0.07	3.0
180	18	K	17.00	0.51	300	J, K	2.52	14.00	0.13	700	J, K	2.52	11.00	0.19	610	J, K	2.52	7.00	0.08	3.0
220	22	K	16.00	0.55	280	J, K	2.52	12.00	0.14	700	J, K	2.52	9.90	0.20	540	J, K	2.52	6.50	0.08	2.5
270	27	K	15.00	0.61	270	J, K	2.52	10.00	0.16	650	J, K	2.52	9.00	0.22	480	J, K	2.52	6.00	0.10	2.5
330	33	K	14.00	0.69	260	J, K	2.52	9.60	0.18	600	J, K	2.52	8.20	0.24	440	J, K	2.52	5.10	0.12	2.0
390	39	K	12.00	0.76	250	J, K	2.52	7.50	0.28	500	J, K	2.52	7.80	0.28	410	J, K	2.52	4.80	0.25	1.8
470	47	K	11.00	0.86	240	J, K	2.52	6.70	0.30	450	J, K	2.52	7.20	0.44	375	J, K	2.52	4.20	0.25	1.8
560	56	K	10.00	0.97	230	J, K	2.52	6.40	0.34	430	J, K	2.52	6.90	0.56	340	J, K	2.52	3.90	0.30	1.6
680	68	K	9.00	1.07	220	J, K	2.52	5.40	0.40	400	J, K	2.52	6.30	0.60	320	J, K	2.52	3.30	0.30	1.6
820	82	K	8.00	1.30	210	J, K	2.52	5.20	0.46	380	J, K	2.52	5.80	0.66	285	J, K	2.52	3.00	0.35	1.4
101	100	K	7.50	1.45	200	J, K	0.796	4.00	0.80	350	J, K	0.796	4.40	0.82	260	J, K	0.796	2.60	0.50	1.2
121	120	K	6.50	1.65	190	J, K	0.796	3.90	0.90	330	J, K	0.796	4.00	1.08	240	J, K	0.796	2.40	0.60	1.2
151	150	K	6.20	1.85	180	J, K	0.796	3.20	1.00	310	J, K	0.796	3.60	1.26	215	J, K	0.796	2.00	0.70	1.0
181	180	K	6.00	2.00	170	J, K	0.796	3.10	1.16	300	J, K	0.796	3.20	1.40	195	J, K	0.796	1.80	0.75	1.0
221	220	K	5.50	2.40	160	J, K	0.796	2.80	1.34	280	J, K	0.796	3.10	1.62	180	J, K	0.796	1.70	0.85	0.8
271	270	K	5.00	3.00	150	J, K	0.796	2.60	1.57	260	J, K	0.796	2.50	2.16	160	J, K	0.796	1.50	1.00	0.8
331	330	K	4.60	3.30	140	J, K	0.796	2.30	1.76	230	J, K	0.796	2.30	2.44	145	J, K	0.796	1.20	2.00	0.6
391	390	K	4.30	4.10	130	J, K	0.796	1.90	2.72	210	J, K	0.796	2.10	2.80	135	J, K	0.796	1.20	2.20	0.6
471	470	K	4.00	4.50	120	J, K	0.796	1.70	3.00	180	J, K	0.796	2.00	3.00	125	J, K	0.796	1.10	2.50	0.60
561	560	K	3.60	5.40	110	J, K	0.796	1.60	3.40	170	J, K	0.796	1.80	3.40	115	J, K	0.796	0.90	2.80	0.56
681	680	K	3.00	7.50	100	J, K	0.796	1.50	3.80	160	J, K	0.796	1.60	6.00	105	J, K	0.796	0.90	3.00	0.45
821	820	K	2.50	8.20	90	J, K	0.796	1.40	4.20	140	J, K	0.796	1.50	6.80	95	J, K	0.796	0.80	3.40	0.45
102	1000	K	2.00	10.00	70	J, K	0.252	1.20	7.00	130	J, K	0.252	1.40	10.20	85	J, K	0.252	0.70	4.60	0.40
122	1200	K	1.50	23.00	50	J, K	0.252	1.10	8.00	110	J, K	0.252	1.30	12.60	75	J, K	0.252	0.70	5.20	0.35
152	1500	K	1.00	26.00	50	J, K	0.252	1.00	9.20	100	J, K	0.252	1.20	14.80	69	J, K	0.252	0.50	6.00	0.30
182	1800	K	0.95	30.00	50	J, K	0.252	0.90	12.40	90	J, K	0.252	1.10	16.00	60	J, K	0.252	0.50	6.80	0.25
222	2200	K	0.90	34.00	50	J, K	0.252	0.80	12.00	80	J, K	0.252	0.90	18.00	58	J, K	0.252	0.40	7.80	0.25
272	2700	K	0.85	40.00	50															
332	3300	K	0.80	44.00	50															
392	3900	K	0.75	59.00	50															
472	4700	K	0.70	65.00	50															
562	5600	K	0.65	72.00	15															
682	6800	K	0.60	80.00	15															
822	8200	K	0.55	90.00	15															
103	10000	M	0.50	104.00	15															
223	22000	M	0.25	150.00	15															
263	26000	M	0.25	180.00	15															
303	30000	M	0.25	260.00	15															

Tolerances: J = ±5%, K = ±10%, M = ±20%

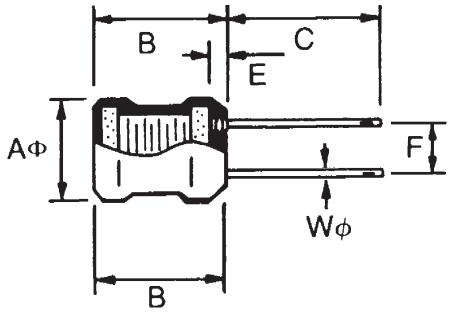
THRU-HOLE INDUCTORS
IR Series: Radial Leaded, Low to Medium Current

FEATURES
- Low to medium current applications
- Up to 0910 sizes can be taped

HOW TO MAKE A PART NUMBER

IR B 0910 - 470 K R

- Series
- Protective Coating
  - B - Shrink tube
- Size
- Inductance Code
- Tolerance
  - J = ±5%
  - K = ±10%
  - M = ±20%
- Packaging
  - R - Tape & Reel
  - A - Tape & Ammo
  - Omit for Bulk



Physical Dimensions (mm)

Part Number	A max	B max	C min	E max	F ±1	W
IRB1012	10	12	7	2	7.5	0.80
IRB1212	12	12	7	2	7.5	0.80
IRB1415	14	15	7	2	10	0.80
IRB1727	17	27	7	2	7.5	0.80

		IRB1012				IRB1212				IRB1415				IRB1727			
Code	L (H)	Tol Code	Test Freq (MHz)	Rdc Max (	Idc (A)	Tol Code	Test Freq (MHz)	Rdc Max (	Idc (A)	Tol Code	Test Freq (KHz)	Rdc Max (	Idc (A)	Tol Code	Test Freq (KHz)	Rdc Max (	Idc (A)
4R7	4.7	J	7.96	0.050	4.7												
150	15	J, K	0.001	0.050	3.0												
200	20	J, K	0.001	0.042	2.5												
600	60					K	.001	0.08	3								
800	80					K	.001	0.18	2								
101	100	J, K	0.001	0.180	1.2					K	1	0.1	3.0				
151	150	J, K	0.001	0.270	1.0	K	.001	0.20	1.5								
161	160					K	.001	0.20									
271	270					K	.001	0.30									
301	300									K	1	0.35	1.5				
371	370									K	1	0.35	1.2				
451	450									K	1	0.35	1.0				
501	500													K	1	0.22	1.5
551	550									K	1	0.35	1.0	K	1	0.30	1.5
561	560									K	1	0.49	1.0				
801	800									K	1	0.5	0.7				
202	2000	J, K	0.001	4.400	0.3												
302	3000									K	1	2.65	0.3				
402	4000									K	1	2.65	0.25				
153	15000	K	0.001	14.300													

Tolerances: J = ±5%, K = ±10%, M = ±20%