

DIP POWER INDUCTORS 插件功率电感**RT 系列****FEATURES**

- Excellent solderability and heat resistance.
- Comparatively large rated current.
- Entire winding core is encapsulated in heat shrunk UL or PVC tube to provide mechanical and environmental protection.
- Low cost with rugged reliability and performance fixed inductor.

APPLICATIONS

- Excellent as DC-DC converter boost or buck inductors. Also used for filtering applications. Such as lighting, PC, TV, DVD, DVB, electronic toys and games, and other A/V equipment etc.

ORDERING CODE

RT 0608 - 100 K

Tol.(J: $\pm 5\%$; K: $\pm 10\%$; M: $\pm 20\%$)
Inductance value(uH)
Specification
Type

DIMENSIONS (mm)

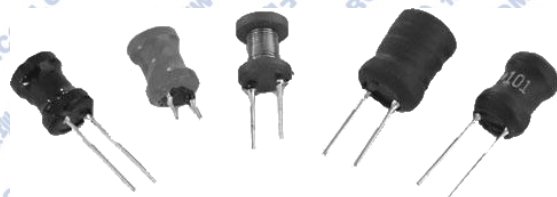
		MODEL	A max	B max	C	D	E min
Component	Materials	RT0304	4.0	6.5	1.5	0.50	10.0
		RT0455	5.0	7.5	2.0	0.50	10.0
1.Core	Ferrite core	RT0406	5.0	8.5	2.0	0.50	10.0
		RT0507	6.0	10.5	2.5	0.50	10.0
2.Wire	Polyurethane enameled copper wires	RT0608	7.5	11.0	3.0	0.60	10.0
		RT0810	9.5	13.0	5.0	0.65	10.0
3.Lead wire	Soldered copper wires	RT0812	9.5	15.0	5.0	0.65	10.0
		RT0912	10.5	15.0	5.0	0.80	10.0
4.Tube	Heat shrinkable tube	RT1012	12.0	15.0	5.0	0.80	10.0
		RT1016	12.0	20.0	5.0	0.80	10.0
5.Glue	Epoxy resin	RT1215	14.0	19.0	6.0	0.80	10.0
		RT1415	16.0	19.0	9.0	1.00	10.0
		RT1822	20.0	26.0	13.5	1.00	10.0

特 征

- 优秀的焊锡性及耐热性;
- 超大的额定电流;
- 绕线之铁芯完全封装于 UL 或 PVC 热缩管内以提供对机械及环境的保护;
- 低成本且具严格可靠度及表现一致的电感。

用 途

- 很适合应用于直流-直流整流器或作为低阶电感, 亦用于滤波应用。如照明设施、电脑、电视、DVD、电视机顶盒、电子玩具及其他影音设备等。

SHAPE

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RT 系列

PART NO.	L(uH)	TEST CONDITIONS	RT0304		RT0406		RT0507	
			DCR	Idc	DCR	Idc	DCR	Idc
			(Ω)max	(mA)max	(Ω)max	(mA)max	(Ω)max	(mA)max
1R0M	1.0	1KHz/1.0V	0.06	2400	0.03	3200	0.02	6500
1R2M	1.2	1KHz/1.0V	0.07	2200	0.04	3000	0.02	5000
1R5M	1.5	1KHz/1.0V	0.07	2000	0.04	2700	0.02	4500
1R8M	1.8	1KHz/1.0V	0.08	1900	0.04	2500	0.02	4000
2R2M	2.2	1KHz/1.0V	0.09	1700	0.05	2400	0.02	3600
2R7M	2.7	1KHz/1.0V	0.10	1600	0.05	2200	0.03	3400
3R3M	3.3	1KHz/1.0V	0.11	1500	0.06	2100	0.03	3200
3R9M	3.9	1KHz/1.0V	0.14	1400	0.08	2000	0.03	3000
4R7M	4.7	1KHz/1.0V	0.16	1300	0.08	1700	0.04	2800
5R6M	5.6	1KHz/1.0V	0.18	1200	0.09	1600	0.04	2600
6R8M	6.8	1KHz/1.0V	0.21	1100	0.10	1500	0.05	2400
8R2M	8.2	1KHz/1.0V	0.24	1000	0.11	1400	0.06	2200
100K	10	1KHz/1.0V	0.25	900	0.13	1300	0.07	2000
120K	12	1KHz/1.0V	0.31	850	0.14	1200	0.08	1800
150K	15	1KHz/1.0V	0.36	750	0.18	1000	0.10	1600
180K	18	1KHz/1.0V	0.46	700	0.19	900	0.11	1500
220K	22	1KHz/1.0V	0.53	650	0.21	800	0.13	1400
270K	27	1KHz/1.0V	0.65	630	0.30	7100	0.15	1200
330K	33	1KHz/1.0V	0.90	580	0.35	660	0.16	1000
390K	39	1KHz/1.0V	1.00	550	0.40	600	0.21	950
470K	47	1KHz/1.0V	1.05	450	0.45	550	0.25	850
560K	56	1KHz/1.0V	1.08	380	0.60	500	0.33	750
680K	68	1KHz/1.0V	1.10	350	0.65	470	0.40	620
820K	82	1KHz/1.0V	1.30	320	0.80	430	0.46	550
101K	100	1KHz/1.0V	1.40	300	1.0	400	0.50	820
121K	120	1KHz/1.0V	1.90	270	1.1	370	0.52	800
151K	150	1KHz/1.0V	2.30	240	1.3	350	0.55	650
181K	180	1KHz/1.0V	2.50	220	1.5	320	0.65	600
221K	220	1KHz/1.0V	3.40	200	2.0	280	0.75	550
271K	270	1KHz/1.0V	3.80	180	2.6	240	0.90	520
331K	330	1KHz/1.0V	5.40	160	3.5	220	1.10	500
391K	390	1KHz/1.0V	6.00	140	4.0	190	1.40	400
471K	470	1KHz/1.0V	6.80	130	5.0	180	1.70	360
561K	560	1KHz/1.0V	9.50	120	5.8	170	2.0	340
681K	680	1KHz/1.0V	10.0	100	6.3	150	2.2	320
821K	820	1KHz/1.0V	16.0	85	9.2	140	2.6	300
102K	1000	1KHz/1.0V	18.0	80	10.5	120	3.2	250
122K	1200	1KHz/1.0V	20.0	75	12.0	110	4.5	220
152K	1500	1KHz/1.0V	32.0	60	17.0	100	5.5	200
182K	1800	1KHz/1.0V	36.0	55	18.0	90	7.0	180
222K	2200	1KHz/1.0V	66.0	40	22.0	80	8.0	160
272K	2700	1KHz/1.0V	72.0	35	32.0	70	10.0	140

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PART NO.	L(uH)	TEST CONDITIO NS	RT0608		RT0810		RT0912	
			DCR	Idc	DCR	Idc	DCR	Idc
			(Ω)max	(mA)max	(Ω)max	(mA)max	(Ω)max	(mA)max
3R3M	3.3	1KHz/1.0V	0.02	4500	0.02	6000	0.02	6700
4R7M	4.7	1KHz/1.0V	0.02	4000	0.02	5400	0.02	5900
8R2M	8.2	1KHz/1.0V	0.04	3000	0.03	4000	0.03	4800
100K	10	1KHz/1.0V	0.04	2800	0.03	3800	0.03	4500
120K	12	1KHz/1.0V	0.05	2500	0.04	3700	0.03	4300
150K	15	1KHz/1.0V	0.06	2400	0.04	3600	0.04	4200
220K	22	1KHz/1.0V	0.07	2200	0.05	3000	0.06	3000
270K	27	1KHz/1.0V	0.08	2000	0.06	2600	0.07	2900
330K	33	1KHz/1.0V	0.10	1800	0.07	2400	0.08	2700
470K	47	1KHz/1.0V	0.15	1500	0.09	2100	0.09	2400
820K	82	1KHz/1.0V	0.23	1200	0.15	1600	0.14	1800
101K	100	1KHz/1.0V	0.26	1000	0.18	1500	0.15	1700
121K	120	1KHz/1.0V	0.30	950	0.20	1400	0.21	1500
151K	150	1KHz/1.0V	0.40	900	0.26	1200	0.26	1300
180K	180	1KHz/1.0V	0.50	800	0.30	1100	0.30	1200
221K	220	1KHz/1.0V	0.65	700	0.40	1000	0.35	1100
271K	270	1KHz/1.0V	0.80	650	0.46	900	0.42	960
331K	330	1KHz/1.0V	0.90	600	0.55	800	0.55	880
391K	390	1KHz/1.0V	1.10	500	0.65	750	0.65	780
471K	470	1KHz/1.0V	1.20	450	0.75	700	0.8	680
102K	1000	1KHz/1.0V	2.50	300	1.5	450	1.5	500
122K	1200	1KHz/1.0V	3.00	280	1.9	410	1.9	440
152K	1500	1KHz/1.0V	3.50	260	2.2	400	2.2	420
222K	2200	1KHz/1.0V	6.00	200	3.5	320	3.5	330
272K	2700	1KHz/1.0V	6.50	180	4.3	280	4.2	300
332K	3300	1KHz/1.0V	8.50	160	5.0	260	5.4	260
392K	3900	1KHz/1.0V	12.0	150	6.0	230	6.0	240
472K	4700	1KHz/1.0V	15.0	140	7.2	200	7.6	220
822K	8200	1KHz/1.0V	25.0	100	13	150	12	170
103K	10000	1KHz/1.0V	30.0	90	15	140	20	140
153K	15000	1KHz/1.0V	40.0	75	25	110	23	120
223K	22000	1KHz/1.0V	60.0	60	35	90	36	95
303K	30000	1KHz/1.0V	90.0	55	50	80	50	85
333K	33000	1KHz/1.0V	95	50	54	75	53	80
393K	39000	1KHz/1.0V	105	45	71	65	70	72
473K	47000	1KHz/1.0V	120	40	80	60	80	65
503K	50000	1KHz/1.0V	130	35	90	55	100	55
104K	100000	1KHz/1.0V	200	20	200	35	200	40