

SHIELDED SMD POWER INDUCTORS



SDRRI 0402/0802/0804/1206 TYPE

With magnetic shield against radiation.

DRRI0402 can help achieve significantly longer battery life in handheld communication devices.

DRRI0804/1206 designed for the higher current requirements of portable computers.

SDR0402 used ceramic base with gold-plating.

DRRI0804/1206 used LCP plastic base.



Applications:

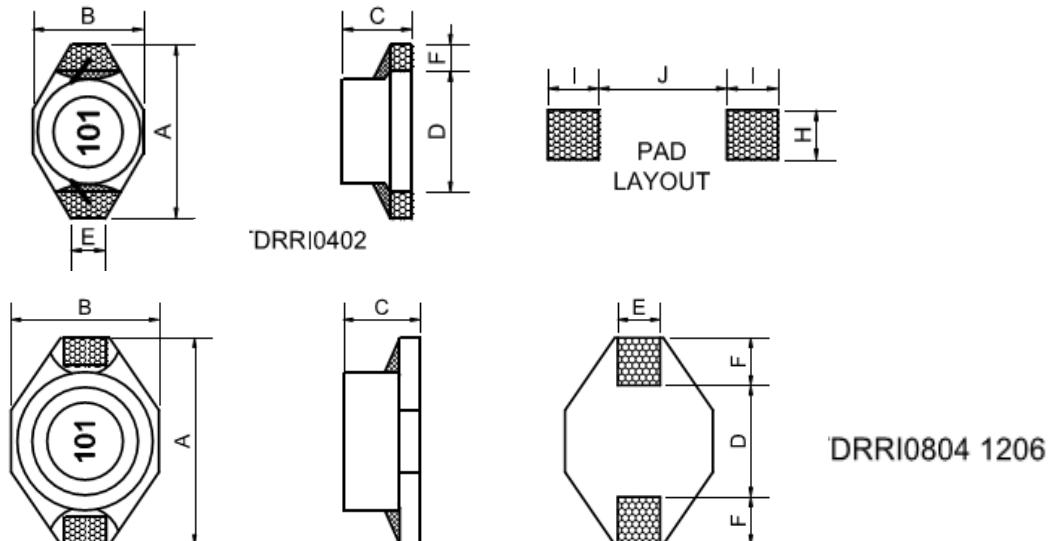
Portable telephones, Personable computer, DC-DC converters.etc

Other various electronic appliances

Electrical Specifications at 25 °C

Shape and Dimensions (Unit : mm)

P/N	A (max)	B (max)	C (max)	D	E	F	H	I	J
SDRI0402	6.60	4.45	2.92	4.32	1.27	1.02	3.56	1.4	4.06
SDRI0804	12.95	9.40	5.08	7.62	2.54	2.54	2.79	2.92	7.37
SDRI1206	18.54	15.24	7.62	12.70	2.54	2.54	2.79	2.92	12.45



Inductance Tolerance : M $\pm 20\%$, L $\pm 15\%$, K $\pm 10\%$

Part Nuber	Inductance (μH)	Q Min	DCR Max(Ω)	SRF Ref. (MHz)	I rms (A)
SDRRI0402-1R0M	1.0	30	0.040	250.00	3.00
SDRRI0402-1R5M	1.5	30	0.045	125.00	2.30
SDRRI0402-2R2M	2.2	40	0.050	120.00	1.80
SDRRI0402-3R3M	3.3	40	0.055	120.00	1.60
SDRRI0402-4R7M	4.7	40	0.060	105.00	1.40
SDRRI0402-6R8M	6.8	40	0.065	50.00	1.20
SDRRI0402-100M	10.0	40	0.075	38.00	1.00
SDRRI0402-150M	15.0	40	0.090	33.00	0.80
SDRRI0402-220M	22.0	40	0.110	25.00	0.70

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SDRRI001-1

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Part Nuber	Inductance (uH)	Q Min	DCR Max(Ω)	SRF Ref. (MHz)	I rms (A)
SDRRI0402-330M	33.0	40	0.19	20.00	0.60
SDRRI0402-470M	47.0	40	0.23	20.00	0.50
SDRRI0402-680M	68.0	40	0.29	15.00	0.40
SDRRI0402-101K	100.0	40	0.48	10.00	0.30
SDRRI0402-151K	150.0	40	0.59	9.00	0.26
SDRRI0402-221K	220.0	40	0.90	6.00	0.22
SDRRI0402-331K	330.0	40	1.40	5.00	0.20
SDRRI0402-471K	470.0	40	1.80	4.00	0.19
SDRRI0402-681K	680.0	40	2.20	3.00	0.18
SDRRI0402-102K	1000.0	40	3.40	2.00	0.15
SDRRI0402-152K	1500.0	50	4.20	2.00	0.12
SDRRI0402-222K	2200.0	50	8.50	2.00	0.10
SDRRI0402-332K	3300.0	50	11.00	1.00	0.08
SDRRI0402-472K	4700.0	50	13.90	1.00	0.06
SDRRI0402-682K	6800.0	50	25.00	1.00	0.04
SDRRI0402-103K	10000.0	50	32.80	0.80	0.02

* Q tested Frequency : 1R0~100 200kHz 0.1V ; 150~103 100 kHz 0.1V

Part Nuber	Inductance (uH)	DCR Max(Ω)	SRF Ref. (MHz)	I sat (A)	I rms (A)
SDRRI0804-1R0M	1.0	0.021	140	5.60	5.00
SDRRI0804-1R5M	1.5	0.022	120	5.20	4.50
SDRRI0804-2R2M	2.2	0.032	80	5.00	3.80
SDRRI0804-3R3M	3.3	0.039	70	3.90	3.30
SDRRI0804-4R7M	4.7	0.054	40	3.20	2.70

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SDRRI001-2

SHIELDED SMD POWER INDUCTORS



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Applications:

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Other various electronic appliances

Electrical Specifications at 25℃

Part Nuber	Inductance (uH)	DCR Max(Ω)	SRF Ref. (MHz)	I sat (A)	I rms (A)
SDRRI0804-6R8M	6.8	0.075	38	2.80	2.20
SDRRI0804-100M	10.0	0.101	35	2.40	2.00
SDRRI0804-150M	15.0	0.150	25	2.00	1.50
SDRRI0804-220M	22.0	0.207	19	1.60	1.30
SDRRI0804-330M	33.0	0.334	15	1.40	1.10
SDRRI0804-470M	47.0	0.472	13	1.00	0.80
SDRRI1206-100M	10.0	0.040	30	8.00	3.90
SDRRI1206-150M	15.0	0.048	20	7.00	3.40
SDRRI1206-220M	22.0	0.059	18	6.00	3.10
SDRRI1206-330M	33.0	0.075	14	5.00	2.80
SDRRI1206-470M	47.0	0.097	10	4.00	2.40
SDRRI1206-680M	68.0	0.138	9	3.00	2.00
SDRRI1206-101M	100.0	0.207	7	2.40	1.70
SDRRI1206-151M	150.0	0.293	6	2.10	1.30
SDRRI1206-221M	220.0	0.470	5	1.90	1.10
SDRRI1206-331M	330.0	0.780	4	1.10	0.86
SDRRI1206-471M	470.0	1.080	3	1.10	0.73
SDRRI1206-681M	680.0	1.400	3	0.96	0.64
SDRRI1206-102M	1000.0	2.010	2	0.80	0.53

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