

◆ SMD Power Inductors SDR Series

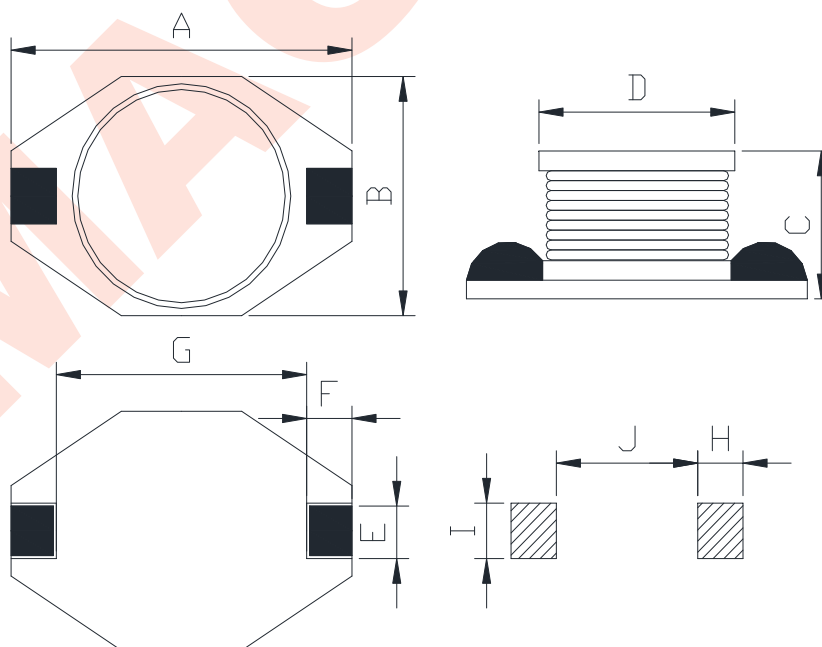


PRODUCT IDENTIFICATION

SDR 1608 L Z - 100 M
a b c d e f

- a: Series name
- b: Product dimensions (a x ϕ)
- c: Sealing way (L: Cold seal Y: Heat seal)
- d: Lettering direction ▶
- e: Inductance Value
(1R0:1.0uH; 100: 10uH; 101:100uH)
- f: Inductance Tolerance (K:10% ; M:20% ; N:30%)

SHAPES AND DIMENSIONS



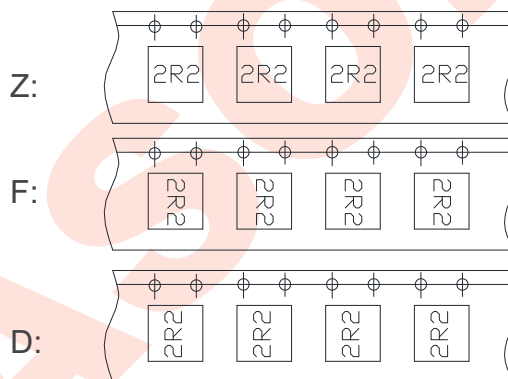
FEATURES

- ◆ Low profile very effective in space-applications.
- ◆ High energy storage and very low resistance.
- ◆ Packed in embossed carrier tape and can be used by automatic mounting machine.

APPLICATIONS

- ◆ Ideally used in Power supply for VTR, OA equipment, Digital camera, LCD television set notebook PC, etc as DC-DC Converter.

▶ Lettering direction



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SHAPES AND DIMENSIONS

Series	Dimensions(mm)									
	AMax.	BMax.	CMax.	DMax.	E Ref.	F Ref.	G Ref.	H Ref.	I Ref.	J Ref.
SDR1608	6.60	4.45	2.92	3.94	1.27	1.02	4.32	1.40	3.50	4.00
SDR3308	12.95	9.40	3.50	8.38	2.54	2.54	7.62	2.90	3.00	7.30
SDR3316	12.95	9.40	5.21	8.38	2.54	2.54	7.62	2.90	3.00	7.30
SDR3340	12.95	9.40	11.43	8.38	2.54	2.54	7.62	2.90	3.00	7.30
SDR5022	18.54	15.24	7.11	12.7	2.54	2.54	12.7	2.90	3.00	12.4

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)	SRF Min.(MHz)
SDR1608LF-1R0M	1.0	100	0.050	2.90	2.90	130.0
SDR1608LF-1R5M	1.5	100	0.050	2.60	2.80	115.0
SDR1608LF-2R2M	2.2	100	0.070	2.30	2.40	90.0
SDR1608LF-3R3M	3.3	100	0.080	2.00	2.00	70.0
SDR1608LF-4R7M	4.7	100	0.090	1.50	1.50	50.0
SDR1608LF-6R8M	6.8	100	0.130	1.20	1.40	45.0
SDR1608LF-100M	10	100	0.160	1.10	1.30	35.0
SDR1608LF-150M	15	100	0.230	0.90	1.20	30.0
SDR1608LF-220M	22	100	0.370	0.70	0.80	20.0
SDR1608LF-330M	33	100	0.510	0.58	0.60	15.0
SDR1608LF-470M	47	100	0.640	0.50	0.50	14.0
SDR1608LF-680M	68	100	0.860	0.40	0.40	11.0
SDR1608LF-101M	100	100	1.270	0.31	0.30	9.0
SDR1608LF-151M	150	100	2.000	0.27	0.25	6.0
SDR1608LF-221M	220	100	3.110	0.22	0.20	5.5
SDR1608LF-331M	330	100	3.800	0.18	0.16	5.0
SDR1608LF-471M	470	100	6.200	0.16	0.15	4.0
SDR1608LF-681M	680	100	9.200	0.14	0.12	3.0
SDR1608LF-102M	1000	100	13.800	0.10	0.07	2.0

Note:

Saturation Current DC current at which the inductance drops approximate 10% from its value without current;

Heat Rating Current: DC current that causes the temperature rise ΔT (=40°C) from 25°C ambient

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ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)	SRF Min.(MHz)
SDR3308LF-100M	10	100	0.110	2.40	2.00	35.0
SDR3308LF-150M	15	100	0.150	2.00	1.50	33.0
SDR3308LF-220M	22	100	0.230	1.60	1.30	25.0
SDR3308LF-330M	33	100	0.300	1.40	1.10	19.0
SDR3308LF-470M	47	100	0.390	1.00	0.80	14.0
SDR3308LF-680M	68	100	0.660	0.90	0.70	12.0
SDR3308LF-101M	100	100	0.840	0.70	0.60	10.0
SDR3308LF-151M	150	100	1.200	0.60	0.50	8.0
SDR3308LF-221M	220	100	1.900	0.50	0.40	6.0
SDR3308LF-331M	330	100	2.700	0.40	0.30	5.0
SDR3308LF-471M	470	100	4.000	0.30	0.20	4.0
SDR3308LF-681M	680	100	5.300	0.20	0.10	3.0
SDR3308LF-102M	1000	100	8.400	0.10	0.05	2.5

Part Number	L (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)	SRF Min.(MHz)
SDR3316LF-1R0M	1.0	100	0.009	9.00	6.80	100.0
SDR3316LF-1R5M	1.5	100	0.010	8.00	6.40	90.0
SDR3316LF-2R2M	2.2	100	0.012	7.00	6.10	80.0
SDR3316LF-3R3M	3.3	100	0.015	6.40	5.40	65.0
SDR3316LF-4R7M	4.7	100	0.018	5.40	4.80	45.0
SDR3316LF-6R8M	6.8	100	0.027	4.60	4.40	38.0
SDR3316LF-100M	10	100	0.038	3.80	3.90	30.0
SDR3316LF-150M	15	100	0.046	3.00	3.10	27.0
SDR3316LF-220M	22	100	0.085	2.60	2.70	19.0
SDR3316LF-330M	33	100	0.100	2.00	2.10	15.0
SDR3316LF-470M	47	100	0.140	1.60	1.80	12.0
SDR3316LF-680M	68	100	0.200	1.40	1.50	10.0
SDR3316LF-101M	100	100	0.280	1.20	1.30	9.0
SDR3316LF-151M	150	100	0.400	1.00	1.00	6.0
SDR3316LF-221M	220	100	0.610	0.80	0.80	5.0
SDR3316LF-331M	330	100	1.020	0.60	0.60	4.5
SDR3316LF-471M	470	100	1.270	0.50	0.50	3.5
SDR3316LF-681M	680	100	2.020	0.40	0.40	2.5
SDR3316LF-102M	1000	100	3.000	0.30	0.30	2.0

Note:

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ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)	SRF Min.(MHz)
SDR3340LF-100M	10	100	0.040	8.00	3.50	22.0
SDR3340LF-150M	15	100	0.050	7.00	3.00	18.0
SDR3340LF-220M	22	100	0.066	5.50	2.50	11.0
SDR3340LF-330M	33	100	0.080	4.00	2.00	9.0
SDR3340LF-470M	47	100	0.110	3.80	1.60	8.0
SDR3340LF-680M	68	100	0.170	3.00	1.20	7.0
SDR3340LF-101M	100	100	0.220	2.50	1.00	5.5
SDR3340LF-151M	150	100	0.340	2.00	0.90	4.0
SDR3340LF-221M	220	100	0.440	1.60	0.70	3.5
SDR3340LF-331M	330	100	0.700	1.20	0.60	2.5
SDR3340LF-471M	470	100	0.950	1.10	0.30	2.0
SDR3340LF-681M	680	100	1.200	1.00	0.20	2.0
SDR3340LF-102M	1000	100	2.000	0.80	0.10	1.5

Part Number	L (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)	SRF Min.(MHz)
SDR5022LF-1R0M	1.0	100	0.009	20.00	8.60	80.0
SDR5022LF-2R2M	2.2	100	0.014	16.00	7.10	80.0
SDR5022LF-3R3M	3.3	100	0.018	14.00	6.20	60.0
SDR5022LF-5R6M	5.6	100	0.020	12.00	5.30	40.0
SDR5022LF-100M	10	100	0.031	10.00	4.30	30.0
SDR5022LF-150M	15	100	0.036	8.00	4.00	22.0
SDR5022LF-220M	22	100	0.047	7.00	3.50	20.0
SDR5022LF-330M	33	100	0.066	5.50	3.00	15.0
SDR5022LF-470M	47	100	0.086	4.50	2.60	9.0
SDR5022LF-680M	68	100	0.130	3.50	2.30	8.0
SDR5022LF-101M	100	100	0.190	3.00	1.80	7.0
SDR5022LF-151M	150	100	0.250	2.60	1.50	6.0
SDR5022LF-221M	220	100	0.380	2.40	1.20	5.0
SDR5022LF-331M	330	100	0.560	1.90	1.00	4.0
SDR5022LF-471M	470	100	0.850	1.40	0.82	3.0
SDR5022LF-681M	680	100	1.100	1.20	0.72	2.5
SDR5022LF-102M	1000	100	1.800	1.00	0.56	2.0

Note:

Saturation Current DC current at which the inductance drops approximate 10% from its value without current;

Heat Rating Current: DC current that causes the temperature rise ΔT (=40°C) from 25°C ambient