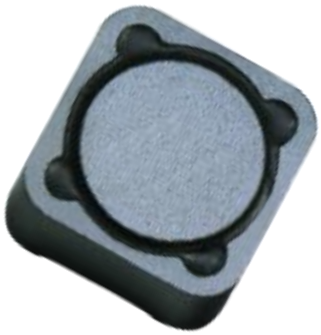
SMD Power Inductors
SDRH Series



FEATURES

- Excellent solderability and high heat resistance.
- Magnetically shielded construction.
- Low cost and packed in embossed carrier tape.

APPLICATIONS

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

PRODUCT IDENTIFICATION

SDRH 127 L Z – 100 M

a b c d e f

a: Series name

b: Product dimensions（a x c）

c: Sealing way (L: Cold seal Y: Heat seal)

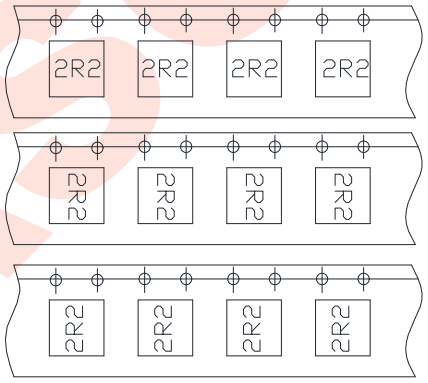
d: Lettering direction ▶

e: Inductance Value

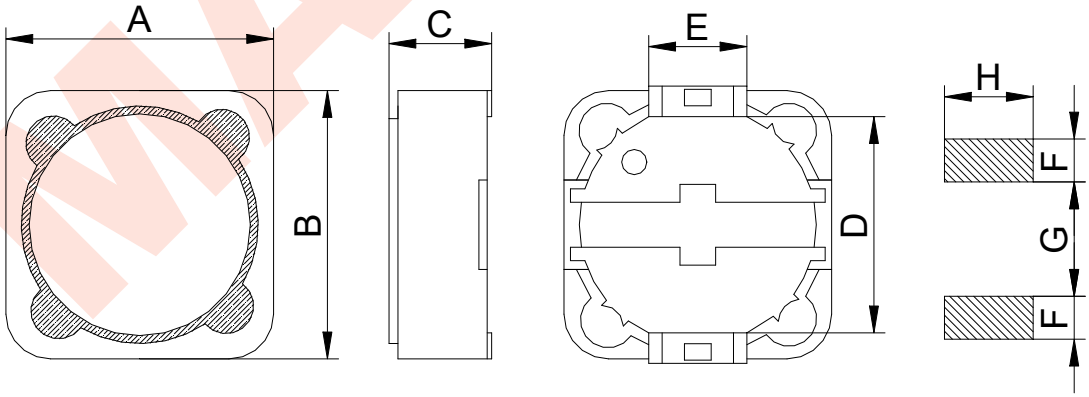
(1R0:1.0uH; 100: 10uH; 101:100uH)

f: Inductance Tolerance (K:10% ; M:20% ; N:30%)

▶ Lettering direction



SHAPES AND DIMENSIONS



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SMD Power Inductors
SDRH Series

SHAPES AND DIMENSIONS

Series	Dimensions(mm)							
	A	B	C Max .	D	E	F Ref.	G Ref.	H Ref.
SDRH73LZ	7.3±0.3	7.3±0.3	3.5	5.4±0.2	1.8	1.6	4.8	2.2
SDRH74LZ	7.3±0.3	7.3±0.3	4.5	5.4±0.2	1.8	1.6	4.8	2.2
SDRH124LZ	12.0±0.3	12.0±0.3	4.5	7.6±0.2	5.0	2.8	7.0	5.4
SDRH125LZ	12.0±0.3	12.0±0.3	6.0	7.6±0.2	5.0	2.8	7.0	5.4
SDRH127LZ	12.0±0.3	12.0±0.3	8.0	7.6±0.2	5.0	2.8	7.0	5.4
SDRH129LZ	12.0±0.3	12.0±0.3	10.0	7.6±0.2	5.0	2.8	7.0	5.4

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
SDRH73LZ-1R0N	1.0	100	0.016	7.97
SDRH73LZ-1R5N	1.5	100	0.023	5.50
SDRH73LZ-2R2N	2.2	100	0.027	4.50
SDRH73LZ-3R3N	3.3	100	0.031	4.00
SDRH73LZ-4R7N	4.7	100	0.048	3.50
SDRH73LZ-5R6N	5.6	100	0.056	3.00
SDRH73LZ-6R8N	6.8	100	0.062	2.50
SDRH73LZ-100N	10	100	0.072	1.68
SDRH73LZ-150M	15	100	0.130	1.33
SDRH73LZ-180M	18	100	0.140	1.20
SDRH73LZ-220M	22	100	0.190	1.07
SDRH73LZ-330M	33	100	0.240	0.91
SDRH73LZ-390M	39	100	0.320	0.77
SDRH73LZ-470M	47	100	0.360	0.76
SDRH73LZ-680M	68	100	0.520	0.61
SDRH73LZ-101M	100	100	0.790	0.50
SDRH73LZ-151M	150	100	1.270	0.43
SDRH73LZ-181M	180	100	1.450	0.39
SDRH73LZ-221M	220	100	1.650	0.35
SDRH73LZ-331M	330	100	2.620	0.28
SDRH73LZ-391M	390	100	2.940	0.26
SDRH73LZ-471M	470	100	4.180	0.24
SDRH73LZ-561M	560	100	4.670	0.22
SDRH73LZ-681M	680	100	5.730	0.19
SDRH73LZ-821M	820	100	6.540	0.18
SDRH73LZ-102M	1000	100	9.440	0.16

Note: **Rated current**: The DC current at which the inductance decreases to 75 % of its initial value or when △t=40℃, whichever is lower(Ta=25℃)

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SMD Power Inductors
SDRH Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
SDRH74LZ-1R0N	1.0	100	0.015	9.00
SDRH74LZ-1R5N	1.5	100	0.018	7.00
SDRH74LZ-2R2N	2.2	100	0.028	6.00
SDRH74LZ-3R3N	3.3	100	0.032	4.80
SDRH74LZ-3R9N	3.9	100	0.035	4.40
SDRH74LZ-4R7N	4.7	100	0.038	4.00
SDRH74LZ-5R6N	5.6	100	0.040	3.50
SDRH74LZ-6R8N	6.8	100	0.045	3.00
SDRH74LZ-100N	10	100	0.049	1.84
SDRH74LZ-120M	12	100	0.058	1.71
SDRH74LZ-150M	15	100	0.081	1.47
SDRH74LZ-180M	18	100	0.091	1.31
SDRH74LZ-220M	22	100	0.110	1.23
SDRH74LZ-270M	27	100	0.150	1.12
SDRH74LZ-330M	33	100	0.170	0.96
SDRH74LZ-390M	39	100	0.230	0.91
SDRH74LZ-470M	47	100	0260	0.88
SDRH74LZ-560M	56	100	0.350	0.80
SDRH74LZ-680M	68	100	0.380	0.70
SDRH74LZ-820M	82	100	0.430	0.61
SDRH74LZ-101M	100	100	0.610	0.60
SDRH74LZ-121M	120	100	0.660	0.52
SDRH74LZ-151M	150	100	0.880	0.46
SDRH74LZ-181M	180	100	0.980	0.42
SDRH74LZ-221M	220	100	1.170	0.36
SDRH74LZ-271M	270	100	1.640	0.34
SDRH74LZ-331M	330	100	1.860	0.32
SDRH74LZ-391M	390	100	2.850	0.29
SDRH74LZ-471M	470	100	3.010	0.26
SDRH74LZ-561M	560	100	3.620	0.23
SDRH74LZ-681M	680	100	4.630	0.22
SDRH74LZ-821M	820	100	5.200	0.20
SDRH74LZ-102M	1000	100	6.000	0.18

Note:

Rated current: The DC current at which the inductance decreases to 75 % of its initial value or when △t＝40℃, whichever is lower(Ta=25℃)

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SMD Power Inductors
SDRH Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
SDRH124LZ-3R9M	3.9	100	0.015	6.50
SDRH124LZ-4R7M	4.7	100	0.018	5.70
SDRH124LZ-6R8M	6.8	100	0.023	4.90
SDRH124LZ-8R2M	8.2	100	0.026	4.60
SDRH124LZ-100M	10	100	0.028	4.50
SDRH124LZ-120M	12	100	0.038	4.00
SDRH124LZ-150M	15	100	0.050	3.20
SDRH124LZ-180M	18	100	0.057	3.10
SDRH124LZ-220M	22	100	0.066	2.90
SDRH124LZ-270M	27	100	0.080	2.80
SDRH124LZ-330M	33	100	0.097	2.70
SDRH124LZ-390M	39	100	0.132	2.10
SDRH124LZ-470M	47	100	0.150	1.90
SDRH124LZ-560M	56	100	0.190	1.80
SDRH124LZ-680M	68	100	0.220	1.50
SDRH124LZ-820M	82	100	0.260	1.30
SDRH124LZ-101M	100	100	0.308	1.20
SDRH124LZ-121M	120	100	0.380	1.10
SDRH124LZ-151M	150	100	0.530	0.95
SDRH124LZ-181M	180	100	0.620	0.85
SDRH124LZ-221M	220	100	0.700	0.80
SDRH124LZ-271M	270	100	0.870	0.60
SDRH124LZ-331M	330	100	0.990	0.50

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Note:

Rated current: The DC current at which the inductance decreases to 75 % of its initial value or when △t＝40℃, whichever is lower(Ta=25℃)

SMD Power Inductors
SDRH Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
SDRH125LZ-1R3N	1.3	100	0.012	8.00
SDRH125LZ-2R1N	2.1	100	0.014	7.00
SDRH125LZ-3R1N	3.1	100	0.017	6.00
SDRH125LZ-4R4N	4.4	100	0.020	5.00
SDRH125LZ-5R8N	5.8	100	0.021	4.40
SDRH125LZ-7R5N	7.5	100	0.024	4.20
SDRH125LZ-100N	10	100	0.025	4.00
SDRH125LZ-120M	12	1.00	0.027	3.50
SDRH125LZ-150M	15	1.00	0.030	3.30
SDRH125LZ-180M	18	1.00	0.034	3.00
SDRH125LZ-220M	22	1.00	0.036	2.80
SDRH125LZ-270M	27	1.00	0.051	2.30
SDRH125LZ-330M	33	1.00	0.057	2.10
SDRH125LZ-390M	39	1.00	0.068	2.00
SDRH125LZ-470M	47	1.00	0.075	1.80
SDRH125LZ-560M	56	1.00	0.110	1.70
SDRH125LZ-680M	68	1.00	0.120	1.50
SDRH125LZ-820M	82	1.00	0.140	1.40
SDRH125LZ-101M	100	1.00	0.160	1.30
SDRH125LZ-121M	120	1.00	0.170	1.10
SDRH125LZ-151M	150	1.00	0.230	1.00
SDRH125LZ-181M	180	1.00	0.290	0.90
SDRH125LZ-221M	220	1.00	0.400	0.80
SDRH125LZ-271M	270	1.00	0.460	0.75
SDRH125LZ-331M	330	1.00	0.510	0.68
SDRH125LZ-391M	390	1.00	0.690	0.65
SDRH125LZ-471M	470	1.00	0.770	0.58
SDRH125LZ-561M	560	1.00	0.860	0.54
SDRH125LZ-681M	680	1.00	1.200	0.48
SDRH125LZ-821M	820	1.00	1.340	0.43
SDRH125LZ-102M	1000	1.00	1.530	0.40

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Note:

Rated current: The DC current at which the inductance decreases to 75 % of its initial value or when △t＝40℃, whichever is lower(Ta=25℃)

SMD Power Inductors
SDRH Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
SDRH127LZ-1R2N	1.2	100	0.007	9.80
SDRH127LZ-2R4N	2.4	100	0.012	8.00
SDRH127LZ-3R5N	3.5	100	0.014	7.50
SDRH127LZ-4R7N	4.7	100	0.016	6.80
SDRH127LZ-6R1N	6.1	100	0.018	6.60
SDRH127LZ-7R6N	7.6	100	0.020	5.90
SDRH127LZ-100N	10	1.00	0.022	5.40
SDRH127LZ-120M	12	1.00	0.024	4.90
SDRH127LZ-150M	15	1.00	0.030	4.50
SDRH127LZ-180M	18	1.00	0.039	3.90
SDRH127LZ-220M	22	1.00	0.043	3.60
SDRH127LZ-270M	27	1.00	0.046	3.40
SDRH127LZ-330M	33	1.00	0.065	3.00
SDRH127LZ-390M	39	1.00	0.073	2.75
SDRH127LZ-470M	47	1.00	0.100	2.50
SDRH127LZ-560M	56	1.00	0.110	2.35
SDRH127LZ-680M	68	1.00	0.140	2.10
SDRH127LZ-820M	82	1.00	0.160	1.95
SDRH127LZ-101M	100	1.00	0.220	1.70
SDRH127LZ-121M	120	1.00	0.250	1.60
SDRH127LZ-151M	150	1.00	0.280	1.42
SDRH127LZ-181M	180	1.00	0.350	1.30
SDRH127LZ-221M	220	1.00	0.390	1.16
SDRH127LZ-271M	270	1.00	0.560	1.06
SDRH127LZ-331M	330	1.00	0.640	0.95
SDRH127LZ-391M	390	1.00	0.700	0.88
SDRH127LZ-471M	470	1.00	0.980	0.79
SDRH127LZ-561M	560	1.00	1.070	0.73
SDRH127LZ-681M	680	1.00	1.460	0.67
SDRH127LZ-821M	820	1.00	1.640	0.60
SDRH127LZ-102M	1000	1.00	1.820	0.55

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Note:

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SMD Power Inductors
SDRH Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
SDRH129LZ-1R0N	1.0	100	0.006	19.90
SDRH129LZ-1R8N	1.8	100	0.007	13.40
SDRH129LZ-2R5N	2.5	100	0.008	12.16
SDRH129LZ-3R5N	3.5	100	0.010	12.00
SDRH129LZ-4R7N	4.7	100	0.011	10.08
SDRH129LZ-6R8N	6.8	100	0.013	8.56
SDRH129LZ-7R5N	7.5	100	0.014	8.48
SDRH129LZ-100N	10	1.00	0.018	7.12
SDRH129LZ-120M	12	1.00	0.019	7.04
SDRH129LZ-150M	15	1.00	0.026	5.84
SDRH129LZ-180M	18	1.00	0.028	5.48
SDRH129LZ-220M	22	1.00	0.029	5.12
SDRH129LZ-270M	27	1.00	0.042	4.68
SDRH129LZ-330M	33	1.00	0.053	4.25
SDRH129LZ-390M	39	1.00	0.058	3.92
SDRH129LZ-470M	47	1.00	0.063	3.60
SDRH129LZ-560M	56	1.00	0.068	2.85
SDRH129LZ-680M	68	1.00	0.093	2.76
SDRH129LZ-820M	82	1.00	0.099	2.62
SDRH129LZ-101M	100	1.00	0.126	2.31
SDRH129LZ-121M	120	1.00	0.154	2.05
SDRH129LZ-151M	150	1.00	0.174	1.80
SDRH129LZ-181M	180	1.00	0.191	1.66
SDRH129LZ-221M	220	1.00	0.246	1.64
SDRH129LZ-271M	270	1.00	0.314	1.46
SDRH129LZ-331M	330	1.00	0.386	1.28
SDRH129LZ-391M	390	1.00	0.428	1.17
SDRH129LZ-471M	470	1.00	0.471	1.06
SDRH129LZ-561M	560	1.00	0.650	1.01
SDRH129LZ-681M	680	1.00	0.730	0.83
SDRH129LZ-821M	820	1.00	0.824	0.81
SDRH129LZ-102M	1000	1.00	1.220	0.70
SDRH129LZ-122M	1200	1.00	1.330	0.64
SDRH129LZ-152M	1500	1.00	1.990	0.56
SDRH129LZ-182M	1800	1.00	2.180	0.48
SDRH129LZ-222M	2200	1.00	2.580	0.43

Note:

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