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INDUCTORS

07



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CATALOGUE



MOLDED WOUND CHIP INDUCTOR

ALM SERIES 1



SMD POWER INDUCTORS

DR SERIES 6



SMD POWER INDUCTORS

SDR SERIES 11



SMD POWER INDUCTORS

DB SERIES 14



SHIELDED SMD POWER INDUCTORS

DBO SERIES 17



SHIELDED SMD POWER INDUCTORS

SDRH SERIES 19



SHIELDED SMD POWER INDUCTORS

DS SERIES 29



SHIELDED SMD POWER INDUCTORS

SD SERIES 34



SHIELDED SMD POWER INDUCTORS

PDR SERIES 37



SHIELDED SMD POWER INDUCTORS

SDRP SERIES 39



SMD COILS POWER INDUCTORS

AEP SERIES 41



RADIAL LEADED POWER INDUCTORS

LH SERIES 43



LEAD TOROID POWER INDUCTORS

TC SERIES 47



FERRITE BEADS INDUCTORS

RH SERIES 50

INDUCTORS

For general use
Molded wound chip inductor

ALM Series

FEATURES

- A high-quality inductor that is simple to mass-produce and conforms to the same production process and basic construction as an axial lead type inductor.
- Constructed of heat-resistant molded resin having excellent heat resistance and mechanical strength.

APPLICATIONS

- Video cameras, hard disk drives, floppy disk drives, liquid crystal television set, car audio equipment, mobile communication and other small sized general electronic appliance.



PRODUCT IDENTIFICATION

ALM **322522** **100** **K** **T**
a **b** **c** **d** **e**

a. Series name

ALM ALM Series

c. Inductance value (μ H)

1R0 1
330 33

d. Inductance tolerance

J $\pm 5\%$
K $\pm 10\%$

b. Dimensions

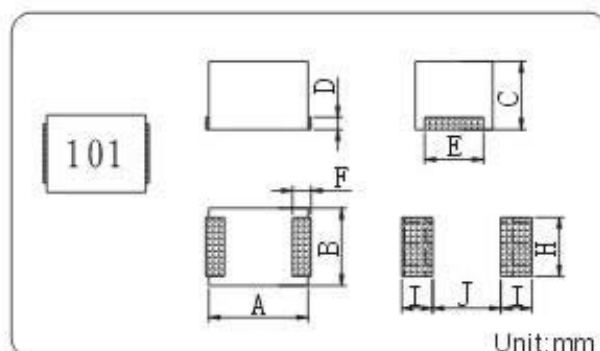
LxWxT (mm)

252018 2.5x2.0x1.8
322522 3.2x2.5x2.2
453232 4.5x3.2x3.2

e. Packaging style

T Tape & Reel

DIMENSIONS



TYPE	A	B	C	D	E	F	H	I	J
252018	2.5 $\pm$ 0.2	2.0 $\pm$ 0.2	1.8 $\pm$ 0.2	0.5	1.4 $\pm$ 0.1	0.4	1.5	1.0	1.5
322522	3.2 $\pm$ 0.2	2.5 $\pm$ 0.2	2.2 $\pm$ 0.2	0.5	1.9 $\pm$ 0.1	0.4	2.0	1.0	2.0
453232	4.5 $\pm$ 0.2	3.2 $\pm$ 0.2	3.2 $\pm$ 0.2	0.5	2.4 $\pm$ 0.1	0.4	2.8	1.5	3.0
565050	5.6 $\pm$ 0.3	5.0 $\pm$ 0.3	5.0 $\pm$ 0.3	1.0	4.0 $\pm$ 0.2	0.5	4.5	2.0	4.0

ALM Series



ALM252018 TYPE

Part No.	Inductance (μ H)	Q (MIN)	Test Frequency L, Q (MHz)	Self-resonant frequency (MHz)	DC resistance (Ω)MAX.	Rated DC current (mA)MAX
ALM252018-010K	0.010	15	100	2150	0.26	530
ALM252018-012K	0.012	15	100	2050	0.27	500
ALM252018-015K	0.015	15	100	2000	0.29	480
ALM252018-018K	0.018	15	100	1850	0.31	450
ALM252018-022K	0.022	15	100	1650	0.37	420
ALM252018-027K	0.027	15	100	1550	0.40	410
ALM252018-033K	0.033	20	100	1450	0.42	400
ALM252018-039K	0.039	20	100	1350	0.45	380
ALM252018-047K	0.047	20	100	1200	0.50	360
ALM252018-056K	0.056	20	100	1100	0.60	340
ALM252018-068K	0.068	20	100	1050	0.65	320
ALM252018-082K	0.082	20	100	900	0.75	300
ALM252018-R10K	0.10	20	100	800	0.80	280
ALM252018-R12K	0.12	30	25.2	700	0.30	550
ALM252018-R15K	0.15	30	25.2	550	0.35	500
ALM252018-R18K	0.18	30	25.2	500	0.40	460
ALM252018-R22K	0.22	30	25.2	450	0.50	430
ALM252018-R27K	0.27	30	25.2	425	0.55	420
ALM252018-R33K	0.33	30	25.2	400	0.60	400
ALM252018-R39K	0.39	30	25.2	375	0.65	375
ALM252018-R47K	0.47	30	25.2	350	0.68	350
ALM252018-R56K	0.56	30	25.2	325	0.75	325
ALM252018-R68K	0.68	30	25.2	300	0.85	300
ALM252018-R82K	0.82	30	25.2	260	1.00	260
ALM252018-1R0K	1.0	30	7.96	245	1.10	245
ALM252018-1R2K	1.2	30	7.96	230	1.20	230
ALM252018-1R5K	1.5	30	7.96	182	1.30	220
ALM252018-1R8K	1.8	30	7.96	135	1.45	210
ALM252018-2R2K	2.2	30	7.96	105	1.55	200
ALM252018-2R7K	2.7	30	7.96	70	1.70	195
ALM252018-3R3K	3.3	30	7.96	55	1.90	185
ALM252018-3R9K	3.9	30	7.96	48	2.10	180
ALM252018-4R7K	4.7	30	7.96	43	2.30	175
ALM252018-5R6K	5.6	25	7.96	42	2.50	170
ALM252018-6R8K	6.8	25	7.96	39	2.70	165
ALM252018-8R2K	8.2	25	7.96	36	3.05	160
ALM252018-100K	10	25	2.52	33	3.5	155
ALM252018-120K	12	25	2.52	30	3.8	150
ALM252018-150K	15	25	2.52	26	4.4	140
ALM252018-180K	18	25	2.52	24	4.8	130
ALM252018-220K	22	25	2.52	22	5.5	125
ALM252018-270K	27	25	2.52	21	6.3	115
ALM252018-330K	33	25	2.52	20	7.1	110
ALM252018-390K	39	20	2.52	18	9.5	90
ALM252018-470K	47	20	2.52	17	11.1	80
ALM252018-560J	56	20	2.52	16	12.1	75
ALM252018-680J	68	20	2.52	15	16.6	70
ALM252018-820J	82	20	2.52	13	19.0	66
ALM252018-101J	100	15	0.796	12	21.0	60

* Rated DC Current: Base on temperature rise not to exceed at 20℃ and inductance is 90% more than its nominal value

ALM Series



ALM322522 TYPE

Part No.	Inductance (μ H)	Q (MIN)	Test Frequency L, Q (MHz)	Self-resonant frequency (MHz)	DC resistance (Ω) MAX.	Rated DC current (mA) MAX
ALM322522-R10K	0.10	25	100	700	0.44	450
ALM322522-R12K	0.12	25	25.2	500	0.22	450
ALM322522-R15K	0.15	25	25.2	450	0.25	450
ALM322522-R18K	0.18	25	25.2	400	0.28	450
ALM322522-R22K	0.22	25	25.2	350	0.32	450
ALM322522-R27K	0.27	25	25.2	320	0.36	450
ALM322522-R33K	0.33	25	25.2	300	0.40	450
ALM322522-R39K	0.39	25	25.2	250	0.45	450
ALM322522-R47K	0.47	25	25.2	220	0.50	450
ALM322522-R56K	0.56	25	25.2	180	0.55	450
ALM322522-R68K	0.68	25	25.2	160	0.60	450
ALM322522-R82K	0.82	25	25.2	140	0.65	450
ALM322522-1R0K	1.0	25	7.96	120	0.70	400
ALM322522-1R2K	1.2	25	7.96	100	0.75	390
ALM322522-1R5K	1.5	25	7.96	85	0.85	370
ALM322522-1R7K	1.8	25	7.96	80	0.90	350
ALM322522-2R2K	2.2	25	7.96	75	1.00	320
ALM322522-2R7K	2.7	25	7.96	70	1.10	290
ALM322522-3R3K	3.3	25	7.96	60	1.20	260
ALM322522-3R9K	3.9	30	7.96	55	1.30	250
ALM322522-4R7K	4.7	30	7.96	50	1.50	220
ALM322522-5R6K	5.6	30	7.96	47	1.60	200
ALM322522-6R8K	6.8	30	7.96	43	1.80	180
ALM322522-8R2K	8.2	30	7.96	40	2.00	170
ALM322522-100K	10	30	2.52	36	2.10	150
ALM322522-120K	12	30	2.52	33	2.50	140
ALM322522-150K	15	30	2.52	30	2.80	130
ALM322522-180K	18	30	2.52	27	3.30	120
ALM322522-220K	22	30	2.52	25	3.70	110
ALM322522-270K	27	30	2.52	20	5.00	80
ALM322522-330K	33	30	2.52	17	5.60	70
ALM322522-390K	39	30	2.52	16	6.40	65
ALM322522-470K	47	30	2.52	15	7.00	60
ALM322522-560J	56	30	2.52	13	8.00	55
ALM322522-680J	68	30	2.52	12	9.00	50
ALM322522-820J	82	30	2.52	11	10.0	45
ALM322522-101J	100	20	0.796	10	10.0	40
ALM322522-121J	120	20	0.796	10	11.0	70
ALM322522-151J	150	20	0.796	8	15.0	65
ALM322522-181J	80	20	0.796	7	17.0	60
ALM322522-221J	220	20	0.796	7	21.0	50

* Rated DC Current: Base on temperature rise not to exceed at 20℃ and inductance is 90% more than its nominal value

ALM Series



ALM453232 TYPE

Part No.	Inductance (μ H)	Q (MIN)	Test Frequency L, Q (MHz)	Self-resonant frequency (MHz)	DC resistance (Ω)MAX.	Rated DC current (mA)MAX
ALM453232-1R0K	1.0	50	7.96	100.0	0.50	450
ALM453232-1R2K	1.2	50	7.96	80.0	0.55	430
ALM453232-1R5K	1.5	50	7.96	70.0	0.60	410
ALM453232-1R8K	1.8	50	7.96	60.0	0.65	390
ALM453232-2R2K	2.2	50	7.96	55.0	0.70	380
ALM453232-2R7K	2.7	50	7.96	50.0	0.75	370
ALM453232-3R3K	3.3	50	7.96	45.0	0.80	355
ALM453232-3R9K	3.9	50	7.96	40.0	0.90	330
ALM453232-4R7K	4.7	50	7.96	35.0	1.00	315
ALM453232-5R6K	5.6	50	7.96	33.0	1.10	300
ALM453232-6R8K	6.8	50	7.96	27.0	1.20	285
ALM453232-8R2K	8.2	50	7.96	25.0	1.40	270
ALM453232-100K	10	50	2.52	20.0	1.60	250
ALM453232-120K	12	50	2.52	18.0	2.00	225
ALM453232-150K	15	50	2.52	17.0	2.50	200
ALM453232-180K	18	50	2.52	15.0	2.80	190
ALM453232-220K	22	50	2.52	13.0	3.20	180
ALM453232-270K	27	50	2.52	12.0	3.60	170
ALM453232-330K	33	50	2.52	11.0	4.00	160
ALM453232-390K	39	50	2.52	10.0	4.50	150
ALM453232-470K	47	50	2.52	9.0	5.50	140
ALM453232-560J	56	50	2.52	9.0	6.00	135
ALM453232-680J	68	50	2.52	8.0	7.00	130
ALM453232-820J	82	50	2.52	8.0	8.00	120
ALM453232-101J	100	40	0.796	8.0	8.00	110
ALM453232-121J	120	40	0.796	6.0	8.00	110
ALM453232-151J	150	40	0.796	5.0	9.00	105
ALM453232-181J	180	40	0.796	5.0	9.50	102
ALM453232-221J	220	40	0.796	4.0	10.0	100
ALM453232-271J	270	40	0.796	4.0	12.0	92
ALM453232-331J	330	40	0.796	3.5	14.0	85
ALM453232-391J	390	40	0.796	3.0	16.0	80
ALM453232-471J	470	40	0.796	3.0	26.0	62
ALM453232-561J	560	30	0.796	3.0	30.0	50
ALM453232-681J	680	30	0.796	3.0	30.0	50
ALM453232-821J	820	30	0.796	2.5	35.0	30
ALM453232-102J	1000	30	0.796	2.5	40.0	30

* Rated DC Current: Base on temperature rise not to exceed at 20℃ and inductance is 90% more than its nominal value

ALM Series



ALM565050 TYPE

Part No.	Inductance (μ H)	Q (MIN)	Test Frequency L, Q (MHz)	Self-resonant frequency (MHz)	DC resistance (Ω)MAX.	Rated DC current (mA)MAX
ALM565050-1R0K	1.0	10	7.96	95	0.03	1800
ALM565050-1R2K	1.2	10	7.96	70	0.035	1700
ALM565050-1R5K	1.5	10	7.96	55	0.04	1600
ALM565050-1R8K	1.8	10	7.96	47	0.05	1400
ALM565050-2R2K	2.2	10	7.96	42	0.06	1300
ALM565050-2R7K	2.7	10	7.96	37	0.07	1200
ALM565050-3R3K	3.3	10	7.96	34	0.08	1120
ALM565050-3R9K	3.9	10	7.96	32	0.09	1050
ALM565050-4R7K	4.7	10	7.96	29	0.11	950
ALM565050-5R6K	5.6	10	7.96	26	0.13	880
ALM565050-6R8K	6.8	10	7.96	24	0.15	810
ALM565050-8R2K	8.2	10	7.96	22	0.18	750
ALM565050-100K	10	10	2.52	19	0.21	690
ALM565050-120K	12	10	2.52	17	0.25	630
ALM565050-150K	15	10	2.52	16	0.30	580
ALM565050-180K	18	10	2.52	14	0.36	530
ALM565050-220K	22	10	2.52	13	0.43	480
ALM565050-270K	27	10	2.52	11.5	0.52	440
ALM565050-330K	33	10	2.52	10.5	0.62	400
ALM565050-390K	39	10	2.52	9.5	0.72	370
ALM565050-470K	47	10	2.52	8.5	0.85	340
ALM565050-560J	56	10	2.52	7.8	1.0	310
ALM565050-680J	68	10	2.52	7.0	1.2	290
ALM565050-820J	82	10	2.52	6.4	1.4	270
ALM565050-101J	100	20	0.796	6.0	1.6	250
ALM565050-121J	120	20	0.796	5.4	1.9	230
ALM565050-151J	150	20	0.796	4.8	2.2	210
ALM565050-181J	180	20	0.796	4.4	2.8	190
ALM565050-221J	220	20	0.796	3.9	3.4	170
ALM565050-271J	270	20	0.796	3.6	4.2	155
ALM565050-331J	330	20	0.796	3.2	4.9	140
ALM565050-391J	390	20	0.796	2.9	5.8	130
ALM565050-471J	470	20	0.796	2.6	7.0	120
ALM565050-561J	560	20	0.796	2.4	8.5	110
ALM565050-681J	680	20	0.796	2.2	10.0	100
ALM565050-821J	820	20	0.796	2.0	13.0	90
ALM565050-102J	1000	20	0.252	1.8	15.0	85

* Rated DC Current: Base on temperature rise not to exceed at 20℃ and inductance is 90% more than its nominal value

INDUCTORS

For general use
SMD Power Inductors

DR Series

FEATURES

- Low profile SMD
- Suitable for high-density mounting
- Leaching resistance to heat and humidity
- Higher Q value than multi-layer inductors.

APPLICATIONS

- Portable communication equipment
- Notebook computer.
- DC/DC converters etc
- Personal data. Assistant(PPA)



PRODUCT IDENTIFICATION

$\frac{DR}{a}$ $\frac{32}{b}$ $\frac{220}{c}$ $\frac{K}{d}$ $\frac{T}{e}$

a. Series name

DR	DR Series
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c. Inductance value (uH)

1R2	1.2
100	10
101	100

d. Inductance Tolerance

J	±5%
K	±10%
M	±20%
N	±30%

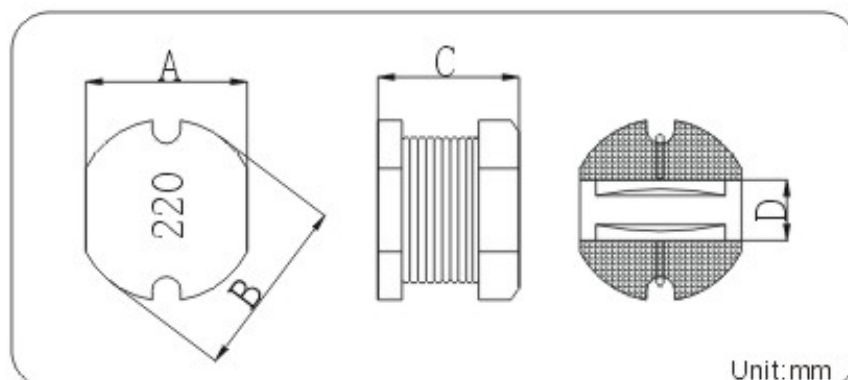
b. Dimensions

32	3.5x2.1
43	4.5x3.2
52	5.8x2.1
54	5.8x4.5
73	7.8x3.5
75	7.8x5.0
104	10.0x4.0
105	10.0x5.0

e. Packing type

B	Bulk
T	Tape & Reel

DIMENSIONS



TYPE	A	B	C	D
DR32	3.0±0.3	3.5±0.3	2.2±0.3	1.0
DR43	4.0±0.3	4.5±0.3	3.2±0.3	1.2
DR52	5.2±0.3	5.8±0.3	2.5±0.3	1.6
DR54	5.2±0.3	5.8±0.3	4.5±0.3	1.6
DR73	7.0±0.3	7.8±0.3	3.5±0.3	2.0
DR75	7.0±0.3	7.8±0.3	5.0±0.3	2.0
DR104	9.0±0.3	10.0±0.3	4.0±0.3	2.5
DR105	9.0±0.3	10.0±0.3	5.4±0.3	2.5

DR Series



DR32 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DR32-1R0M	1.0	100	0.045	2.20
DR32-1R2M	1.2	100	0.050	2.10
DR32-1R5M	1.5	100	0.055	1.70
DR32-1R8M	1.8	100	0.070	1.65
DR32-2R2M	2.2	100	0.085	1.60
DR32-2R7M	2.7	100	0.100	1.40
DR32-3R3M	3.3	100	0.120	1.04
DR32-3R9M	3.9	100	0.125	1.00
DR32-4R7M	4.7	100	0.135	1.00
DR32-5R6M	5.6	100	0.145	0.95
DR32-6R8M	6.8	100	0.20	0.95
DR32-8R2M	8.2	100	0.25	0.92
DR32-100M	10	1	0.32	0.90
DR32-120M	12	1	0.35	0.85
DR32-150M	15	1	0.46	0.75
DR32-180M	18	1	0.52	0.70
DR32-220M	22	1	0.65	0.60
DR32-270M	27	1	0.75	0.55
DR32-330M	33	1	0.92	0.50
DR32-390M	39	1	1.12	0.48
DR32-470M	47	1	1.27	0.45
DR32-560K	56	1	1.50	0.30
DR32-680K	68	1	2.00	0.26
DR32-820K	82	1	2.15	0.23
DR32-101K	100	1	2.85	0.20
DR32-121K	120	1	3.40	0.18
DR32-151K	150	1	4.20	0.16
DR32-181K	180	1	4.50	0.15
DR32-221K	220	1	5.70	0.14
DR32-271K	270	1	8.50	0.10
DR32-331K	330	1	9.50	0.09

DR43 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DR43-1R0M	1.0	100	0.0487	2.56
DR43-1R4M	1.4	100	0.0562	2.52
DR43-1R8M	1.8	100	0.0637	1.95
DR43-2R2M	2.2	100	0.0712	1.75
DR43-2R7M	2.7	100	0.0787	1.58
DR43-3R3M	3.3	100	0.0862	1.44
DR43-3R9M	3.9	100	0.0937	1.33
DR43-4R7M	4.7	100	0.1087	1.15
DR43-5R6M	5.6	100	0.1257	0.99
DR43-6R8M	6.8	100	0.1312	0.95
DR43-8R2M	8.2	100	0.1462	0.84
DR43-100M	10	1	0.182	1.04
DR43-120M	12	1	0.210	0.97
DR43-150M	15	1	0.235	0.85
DR43-180M	18	1	0.338	0.74
DR43-220M	22	1	0.378	0.68
DR43-270M	27	1	0.522	0.62
DR43-330M	33	1	0.540	0.56
DR43-390M	39	1	0.587	0.52
DR43-470M	47	1	0.844	0.44
DR43-560K	56	1	0.937	0.42
DR43-680K	68	1	1.117	0.37

* Rated DC Current: Base on the inductance is 90% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

DR Series



DR52 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DR52-1R2M	1.2	100	0.050	4.20
DR52-1R5M	1.5	100	0.060	4.00
DR52-1R8M	1.8	100	0.065	3.70
DR52-2R2M	2.2	100	0.07	3.50
DR52-2R7M	2.7	100	0.08	3.20
DR52-3R3M	3.3	100	0.10	2.70
DR52-3R9M	3.9	100	0.12	2.40
DR52-4R7M	4.7	100	0.14	2.00
DR52-5R6M	5.6	100	0.15	1.80
DR52-6R8M	6.8	100	0.16	1.50
DR52-8R2M	8.2	100	0.17	1.40
DR52-100M	10	1	0.20	1.30
DR52-120M	12	1	0.23	1.10
DR52-150M	15	1	0.25	1.05
DR52-180M	18	1	0.30	1.00
DR52-220M	22	1	0.35	0.90
DR52-270M	27	1	0.40	0.85
DR52-330M	33	1	0.50	0.75
DR52-390M	39	1	0.55	0.70
DR52-470M	47	1	0.65	0.60
DR52-560K	56	1	0.75	0.55
DR52-680K	68	1	0.95	0.50
DR52-820K	82	1	1.20	0.45
DR52-101K	100	1	1.40	0.40
DR52-121K	120	1	1.75	0.35
DR52-151K	150	1	2.00	0.25
DR52-181K	180	1	2.60	0.22
DR52-221K	220	1	3.00	0.20
DR52-271K	270	1	3.70	0.18
DR52-331K	330	1	4.30	0.17
DR52-391K	390	1	6.00	0.16
DR52-471K	470	1	6.70	0.15

DR54 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DR54-2R2M	2.2	100	0.028	3.84
DR54-3R3M	3.3	100	0.030	3.20
DR54-5R6M	5.6	100	0.050	2.50
DR54-6R8M	6.8	100	0.055	2.00
DR54-8R2M	8.2	100	0.068	1.84
DR54-100M	10	1	0.10	1.44
DR54-120M	12	1	0.12	1.40
DR54-150M	15	1	0.14	1.30
DR54-180M	18	1	0.15	1.23
DR54-220M	22	1	0.18	1.11
DR54-270M	27	1	0.20	0.97
DR54-330M	33	1	0.23	0.88
DR54-390M	39	1	0.32	0.80
DR54-470M	47	1	0.37	0.72
DR54-560K	56	1	0.42	0.68
DR54-680K	68	1	0.46	0.61
DR54-820K	82	1	0.60	0.58
DR54-101K	100	1	0.70	0.52
DR54-121K	120	1	0.93	0.48
DR54-151K	150	1	1.10	0.40
DR54-181K	180	1	1.38	0.38
DR54-221K	220	1	1.57	0.35

* Rated DC Current: Base on the inductance is 90% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

DR Series



DR73 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DR73-100M	10	1	0.081	1.44
DR73-120M	12	1	0.090	1.39
DR73-150M	15	1	0.104	1.24
DR73-180M	18	1	0.111	1.12
DR73-220M	22	1	0.129	1.07
DR73-270M	27	1	0.153	0.94
DR73-330M	33	1	0.170	0.85
DR73-390K	39	1	0.217	0.74
DR73-470K	47	1	0.252	0.68
DR73-560K	56	1	0.282	0.64
DR73-680K	68	1	0.332	0.59
DR73-820K	82	1	0.406	0.54
DR73-101K	100	1	0.481	0.51
DR73-121K	120	1	0.536	0.49
DR73-151K	150	1	0.755	0.40
DR73-181K	180	1	1.022	0.36
DR73-221K	220	1	1.200	0.31
DR73-271K	270	1	1.306	0.29
DR73-331K	330	1	1.495	0.28

DR75 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DR75-100M	10	1	0.07	2.30
DR75-120M	12	1	0.08	2.00
DR75-150M	15	1	0.09	1.80
DR75-180M	18	1	0.10	1.60
DR75-220M	22	1	0.11	1.50
DR75-270M	27	1	0.12	1.30
DR75-330M	33	1	0.13	1.20
DR75-390K	39	1	0.16	1.10
DR75-470K	47	1	0.18	1.10
DR75-560K	56	1	0.24	0.94
DR75-680K	68	1	0.28	0.85
DR75-820K	82	1	0.37	0.78
DR75-101K	100	1	0.43	0.72
DR75-121K	120	1	0.47	0.66
DR75-151K	150	1	0.64	0.58
DR75-181K	180	1	0.71	0.51
DR75-221K	220	1	0.96	0.49
DR75-271K	270	1	1.11	0.42
DR75-331K	330	1	1.26	0.40
DR75-391K	390	1	1.77	0.36
DR75-471K	470	1	1.96	0.34

* Rated DC Current: Base on the inductance is 90% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

DR Series



DR104 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DR104-100M	10	1	0.053	2.38
DR104-120M	12	1	0.061	2.13
DR104-150M	15	1	0.070	1.87
DR104-180M	18	1	0.081	1.73
DR104-220M	22	1	0.088	1.60
DR104-270M	27	1	0.100	1.44
DR104-330M	33	1	0.120	1.26
DR104-390K	39	1	0.151	1.20
DR104-470K	47	1	0.170	1.10
DR104-560K	56	1	0.199	1.01
DR104-680K	68	1	0.223	0.91
DR104-820K	82	1	0.252	0.85
DR104-101K	100	1	0.344	0.74
DR104-121K	120	1	0.396	0.69
DR104-151K	150	1	0.544	0.61
DR104-181K	180	1	0.621	0.56
DR104-221K	220	1	0.721	0.53
DR104-271K	270	1	0.949	0.45
DR104-331K	330	1	1.100	0.42
DR104-391K	390	1	1.245	0.38
DR104-471K	470	1	1.526	0.35
DR104-561K	560	1	1.904	0.32

DR105 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DR105-100M	10	1	0.06	2.60
DR105-120M	12	1	0.07	2.45
DR105-150M	15	1	0.08	2.27
DR105-180M	18	1	0.09	2.15
DR105-220M	22	1	0.10	1.95
DR105-270M	27	1	0.11	1.76
DR105-330M	33	1	0.12	1.50
DR105-390K	39	1	0.14	1.37
DR105-470K	47	1	0.17	1.28
DR105-560K	56	1	0.19	1.17
DR105-680K	68	1	0.22	1.11
DR105-820K	82	1	0.25	1.00
DR105-101K	100	1	0.35	0.97
DR105-121K	120	1	0.40	0.89
DR105-151K	150	1	0.47	0.78
DR105-181K	180	1	0.63	0.72
DR105-221K	220	1	0.73	0.66
DR105-271K	270	1	0.97	0.57
DR105-331K	330	1	1.15	0.52
DR105-391K	390	1	1.30	0.48
DR105-471K	470	1	1.48	0.42
DR105-561K	560	1	1.90	0.33
DR105-681K	680	1	2.25	0.28
DR105-821K	820	1	2.55	0.24
DR105-102K	1000	1	2.75	0.22

* Rated DC Current: Base on the inductance is 90% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

INDUCTORS

SDR Series

For general use
SMD Power Inductors

FEATURES

- The series has an open magnetic structure. Various inductance range is available.
- The low DC resistance permits high current flow.
- The series exhibit low voltage drops and small variations in inductance with respect to temperature rise and DC current level. This makes them excellent for use as power supply line choke coils.
- The series has excellent solder heat resistance. Both flow and reflow soldering methods can be employed.

APPLICATIONS

- Pagers, Cordless phone.
- Personal computers
- Disk Drives and computer peripherals
- DC power supply circuits



PRODUCT IDENTIFICATION

$\frac{\text{SDR}}{a}$ $\frac{321618}{b}$ $\frac{100}{c}$ $\frac{K}{d}$ $\frac{T}{e}$

a. Series name

SDR	SDR Series
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c. Inductance value (uH)

1R2	1.2
100	10
101	100

d. Inductance Tolerance

J	$\pm 5\%$
K	$\pm 10\%$
M	$\pm 20\%$
N	$\pm 30\%$

b. Dimensions

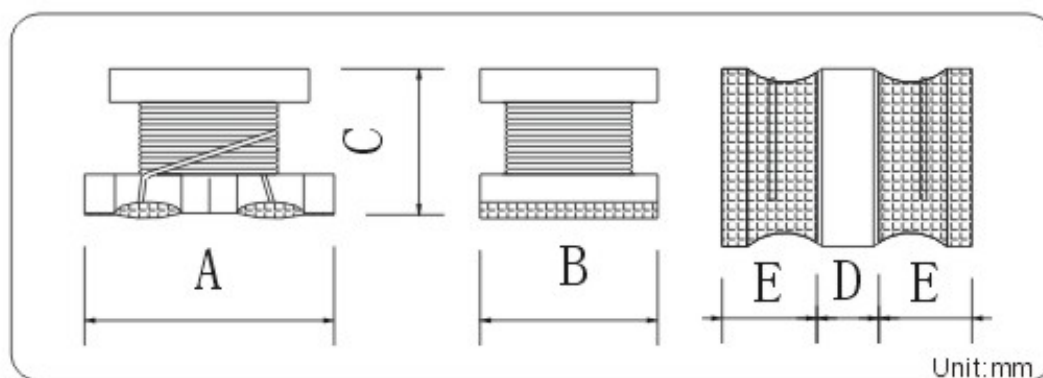
LxWxT (mm)

321618	3.2x1.6x1.8
322520	3.2x2.5x2.0
453226	4.5x3.2x2.6

e. Packing type

B	Bulk
T	Tape & Reel

DIMENSIONS



TYPE	A	B	C	D	E
SDR 321618	3.2 $\pm$ 0.3	1.6 $\pm$ 0.2	1.8 $\pm$ 0.3	1.0	1.0
SDR322520	3.2 $\pm$ 0.3	2.5 $\pm$ 0.2	2.0 $\pm$ 0.3	1.0	1.0
SDR453226	4.5 $\pm$ 0.3	3.2 $\pm$ 0.2	2.6 $\pm$ 0.3	1.5	1.5

SDR Series



SDR321618 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (Khz)	DC resistance (Ω) MAX.	Rated DC current (mA) MAX.
SDR 321 618-1 R0M	1.0	100	0.64	175
SDR 321 618-1 R2M	1.2	100	1.17	165
SDR 321 618-1 R5M	1.5	100	1.30	155
SDR 321 618-1 R8M	1.8	100	2.08	150
SDR 321 618-2 R2M	2.2	100	0.91	140
SDR 321 618-2 R7M	2.7	100	0.72	135
SDR 321 618-3 R3M	3.3	100	1.82	130
SDR 321 618-3 R9M	3.9	100	1.95	125
SDR 321 618-4 R7M	4.7	100	2.21	120
SDR 321 618-5 R6M	5.6	100	2.34	115
SDR 321 618-6 R8M	6.8	100	2.60	110
SDR 321 618-8 R2M	8.2	100	2.86	105
SDR 321 618-1 00M	10	1	3.25	100
SDR 321 618-1 20M	12	1	3.51	95
SDR 321 618-1 50M	15	1	3.90	90
SDR 321 618-1 80M	18	1	4.42	85
SDR 321 618-2 20M	22	1	4.03	85
SDR 321 618-2 70M	27	1	4.42	85
SDR 321 618-3 30M	33	1	4.94	80
SDR 321 618-3 90K	39	1	9.36	55
SDR 321 618-4 70K	47	1	10.40	55
SDR 321 618-5 60K	56	1	11.57	50
SDR 321 618-6 80K	68	1	12.87	50
SDR 321 618-8 20K	82	1	14.30	45
SDR 321 618-1 01K	100	1	15.60	45

SDR322520 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (mA) MAX.
SDR 322 520-1 R0M	1.0	100	0.5	445
SDR 322 520-1 R2M	1.2	100	0.6	425
SDR 322 520-1 R5M	1.5	100	0.65	400
SDR 322 520-1 R8M	1.8	100	0.7	390
SDR 322 520-2 R2M	2.2	100	0.8	370
SDR 322 520-2 R7M	2.7	100	0.9	320
SDR 322 520-3 R3M	3.3	100	1.0	300
SDR 322 520-3 R9M	3.9	100	1.1	290
SDR 322 520-4 R7M	4.7	100	1.2	270
SDR 322 520-5 R6M	5.6	100	1.3	250
SDR 322 520-6 R8M	6.8	100	1.5	240
SDR 322 520-8 R2M	8.2	100	1.6	225
SDR 322 520-1 00M	10	1	1.8	190
SDR 322 520-1 20M	12	1	2.0	180
SDR 322 520-1 50M	15	1	2.2	170
SDR 322 520-1 80M	18	1	2.5	165
SDR 322 520-2 20M	22	1	2.8	150
SDR 322 520-2 70M	27	1	3.1	125
SDR 322 520-3 30M	33	1	3.5	115
SDR 322 520-3 90K	39	1	3.9	110
SDR 322 520-4 70K	47	1	4.3	100
SDR 322 520-5 60K	56	1	4.9	85
SDR 322 520-6 80K	68	1	5.5	80
SDR 322 520-8 20K	82	1	6.2	70
SDR 322 520-1 01K	100	1	7.0	80
SDR 322 520-1 51K	150	1	9.3	70
SDR 322 520-2 21K	220	1	11.8	65
SDR 322 520-3 31K	330	1	13.0	65
SDR 322 520-3 91K	390	1	22.0	50
SDR 322 520-4 71K	470	1	25.0	45

* Rated DC Current: Base on temperature rise not to exceed at 20℃ and inductance is 90% more than its nominal value.

SDR Series



SDR453226 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (mA) MAX.
SDR453226-1R0M	1.0	100	0.20	500
SDR453226-1R2M	1.2	100	0.20	500
SDR453226-1R5M	1.5	100	0.30	500
SDR453226-1R8M	1.8	100	0.30	500
SDR453226-2R2M	2.2	100	0.30	500
SDR453226-2R7M	2.7	100	0.32	500
SDR453226-3R3M	3.3	100	0.35	500
SDR453226-3R9M	3.9	100	0.38	500
SDR453226-4R7M	4.7	100	0.40	500
SDR453226-5R6M	5.6	100	0.47	500
SDR453226-6R8M	6.8	100	0.50	450
SDR453226-8R2M	8.2	100	0.56	450
SDR453226-100K	10	1	0.56	400
SDR453226-120K	12	1	0.62	380
SDR453226-150K	15	1	0.73	360
SDR453226-180K	18	1	0.82	340
SDR453226-220K	22	1	0.94	320
SDR453226-270K	27	1	1.10	300
SDR453226-330K	33	1	1.20	270
SDR453226-390K	39	1	1.40	240
SDR453226-470K	47	1	1.50	220
SDR453226-560K	56	1	1.70	200
SDR453226-680K	68	1	1.90	180
SDR453226-820K	82	1	2.20	170
SDR453226-101K	100	1	2.50	160
SDR453226-121K	120	1	3.00	150
SDR453226-151K	150	1	3.70	130
SDR453226-181K	180	1	4.50	120
SDR453226-221K	220	1	5.40	110
SDR453226-271K	270	1	6.80	100
SDR453226-331K	330	1	8.20	95
SDR453226-391K	390	1	9.70	90
SDR453226-471K	470	1	11.8	80
SDR453226-561K	560	1	14.5	70
SDR453226-681K	680	1	17.0	65
SDR453226-821K	820	1	20.5	60
SDR453226-102K	1000	1	25.0	50
SDR453226-122K	1200	1	30.0	45
SDR453226-152K	1500	1	37.0	40
SDR453226-182K	1800	1	45.0	35
SDR453226-222K	2200	1	50.0	30

* Rated DC Current: Base on temperature rise not to exceed at 20°C and inductance is 90% more than its nominal value.

INDUCTORS

For general use
SMD Power Inductors

DB Series

FEATURES

- High saturation current
- PBS type with magnetic shielded
- SMT type, suitable for solder reflow

APPLICATIONS

- Portable communication equipment, Notebook computer
- LCD televisions, Power supply for VTRs
- DC/DC converters etc.



PRODUCT IDENTIFICATION

DB 1608 ... 220 M T
a b c d e

a. Series name

DB	DB series
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c. Inductance (uH)

1R0	1.5
101	100
102	1000

e. Packaging Style

T	Tape & Reel
B	Bulk

b. Dimensions

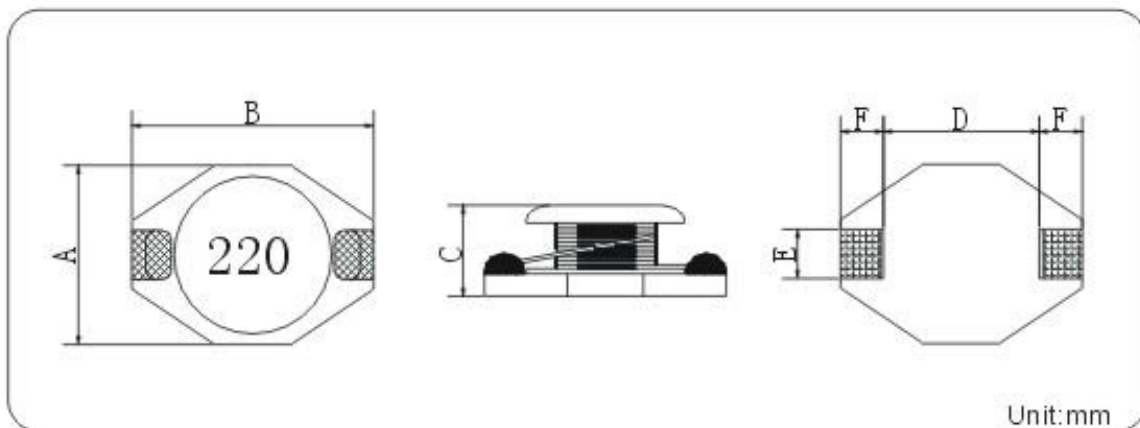
LxWxT (mm)

1608	6.60x4.45x2.92
3308	12.95x9.40x3.50
3316	12.95x9.40x5.21
5022	18.54x15.24x7.11

d. Tolerance

K	±10%
M	±20%

DIMENSIONS



TYPE	A (Max)	B (Max)	C (Max)	D	E	F
DB1608	4.45	6.60	2.92	4.32	1.27	1.02
DB3308	9.40	12.95	3.00	7.62	2.54	2.54
DB3316	9.40	12.95	5.12	7.62	2.54	2.54
DB5022	15.24	18.54	7.11	12.70	2.54	2.54

DB Series



DB1608 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DB1608-1R0M	1.0	100	0.05	2.90
DB1608-1R5M	1.5	100	0.05	2.60
DB1608-2R2M	2.2	100	0.07	2.30
DB1608-3R3M	3.3	100	0.08	2.00
DB1608-4R7M	4.7	100	0.09	1.50
DB1608-6R8M	6.8	100	0.13	1.20
DB1608-100M	10	1	0.16	1.10
DB1608-150M	15	1	0.23	0.90
DB1608-220M	22	1	0.37	0.70
DB1608-330M	33	1	0.51	0.58
DB1608-470M	47	1	0.64	0.50
DB1608-680M	68	1	0.86	0.40
DB1608-101M	100	1	1.27	0.30
DB1608-151M	150	1	2.00	0.25
DB1608-221M	220	1	3.11	0.20
DB1608-331M	330	1	3.80	0.16
DB1608-471M	470	1	5.06	0.15
DB1608-681M	680	1	9.20	0.12
DB1608-102M	1000	1	13.8	0.07

DB3308 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DB3308-100M	10	1	0.11	2.0
DB3308-150M	15	1	0.15	1.5
DB3308-220M	22	1	0.23	1.3
DB3308-330M	33	1	0.30	1.1
DB3308-470M	47	1	0.39	0.8
DB3308-680M	68	1	0.66	0.7
DB3308-101M	100	1	0.84	0.60
DB3308-151M	150	1	1.2	0.50
DB3308-221M	220	1	1.9	0.40
DB3308-331M	330	1	2.7	0.30
DB3308-471M	470	1	4.0	0.20
DB3308-681M	680	1	5.3	0.10
DB3308-102M	1000	1	8.4	0.05

* Rated DC Current: Base on the inductance is 90% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

DB Series



DB3316 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DB3316-1R0M	1.0	100	0.010	6.8
DB3316-1R5M	1.5	100	0.010	6.4
DB3316-2R2M	2.2	100	0.012	6.1
DB3316-3R3M	3.3	100	0.015	5.4
DB3316-4R7M	4.7	100	0.018	4.8
DB3316-6R8M	6.8	100	0.027	4.4
DB3316-100M	10	1	0.038	3.8
DB3316-150M	15	1	0.046	3.1
DB3316-220M	22	1	0.085	2.6
DB3316-330M	33	1	0.10	2.0
DB3316-470M	47	1	0.14	1.6
DB3316-680M	68	1	0.20	1.4
DB3316-101M	100	1	0.28	1.2
DB3316-151M	150	1	0.40	1.0
DB3316-221M	220	1	0.61	0.8
DB3316-331M	330	1	1.02	0.6
DB3316-471M	470	1	1.27	0.5
DB3316-681M	680	1	2.02	0.4
DB3316-102M	1000	1	3.00	0.3

DB5022 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DB5022-1R0M	1.0	100	0.009	8.6
DB5022-2R2M	2.2	100	0.014	7.1
DB5022-3R3M	3.3	100	0.018	6.2
DB5022-5R6M	5.6	100	0.020	5.3
DB5022-100M	10	1	0.031	4.3
DB5022-150M	15	1	0.036	4.0
DB5022-220M	22	1	0.047	3.5
DB5022-330M	33	1	0.066	3.0
DB5022-470M	47	1	0.086	2.6
DB5022-680M	68	1	0.130	2.3
DB5022-101M	100	1	0.19	1.8
DB5022-151M	150	1	0.25	1.5
DB5022-221M	220	1	0.38	1.2
DB5022-331M	330	1	0.56	1.0
DB5022-471M	470	1	0.85	0.82
DB5022-681M	680	1	1.10	0.72
DB5022-102M	1000	1	1.80	0.56

* Rated DC Current: Base on the inductance is 90% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

INDUCTORS

For general use
Shielded SMD Power Inductors

DBO Series

FEATURES

Various high power inductors are superior to be high surface mounting.

APPLICATIONS

- Power supply for VTR, OA equipment
- Digital camera, LCD television set
- Notebook PC, portable communication
- Equipments, DC/DC converters, etc.



PRODUCT IDENTIFICATION

$\frac{\text{DBO}}{a}$ $\frac{1608}{b}$... $\frac{100}{c}$ $\frac{M}{d}$ $\frac{T}{e}$

a. Series name

DBO	DBO series
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c. Inductance (uH)

1R5	1.5
100	10
101	100

e. Packaging Style

T	Tape & Reel
B	Bulk

b. Dimensions

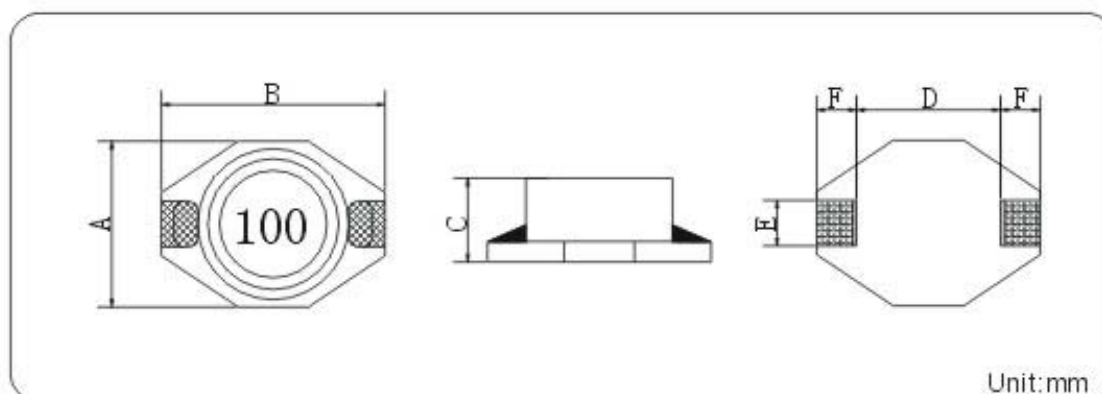
LxWxT (mm)

1608	6.60x4.45x2.92
3316	12.95x9.40x5.2
5022	18.54x15.24x7.11

d. Tolerance

K	±10%
M	±20%
N	±30%

DIMENSIONS



TYPE	A (Max)	B (Max)	C (Max)	D	E	F
DBO1608	4.45	6.60	2.92	4.32	1.27	1.02
DBO3316	9.40	12.95	5.21	7.62	2.54	2.54
DBO5022	15.24	18.54	7.62	12.70	2.54	2.54

DBO Series



DBO1608 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DBO1608-1R0M	1.0	100	0.040	3.00
DBO1608-1R5M	1.5	100	0.045	2.80
DBO1608-2R2M	2.2	100	0.050	1.80
DBO1608-3R3M	3.3	100	0.055	1.60
DBO1608-4R7M	4.7	100	0.060	1.40
DBO1608-6R8M	6.8	100	0.065	1.20
DBO1608-100M	10	1	0.075	1.00
DBO1608-150M	15	1	0.090	0.80
DBO1608-220M	22	1	0.110	0.70
DBO1608-330M	33	1	0.190	0.60
DBO1608-470M	47	1	0.230	0.50
DBO1608-680M	68	1	0.290	0.40
DBO1608-101M	100	1	0.480	0.30
DBO1608-151M	150	1	0.590	0.26
DBO1608-221M	220	1	0.770	0.22
DBO1608-331M	330	1	1.400	0.20
DBO1608-471M	470	1	1.800	0.19
DBO1608-681M	680	1	2.200	0.18
DBO1608-102M	1000	1	3.40	0.15
DBO1608-152M	1500	1	4.20	0.12
DBO1608-222M	2200	1	8.50	0.10
DBO1608-332M	3300	1	11.0	0.08
DBO1608-472M	4700	1	13.9	0.06
DBO1608-682M	6800	1	25.0	0.04
DBO1608-103M	10000	1	32.8	0.02

DBO1608 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DBO3316-1R0M	1.0	1	0.021	5.0
DBO3316-1R5M	1.5	1	0.022	4.5
DBO3316-2R2M	2.2	1	0.032	3.8
DBO3316-3R3M	3.3	1	0.039	3.3
DBO3316-4R7M	4.7	1	0.054	2.7
DBO3316-6R8M	6.8	1	0.075	2.2
DBO3316-100M	10	1	0.101	2.0
DBO3316-150M	15	1	0.150	1.5
DBO3316-220M	22	1	0.207	1.3
DBO3316-330M	33	1	0.334	1.1
DBO3316-470M	47	1	0.472	0.8

DBO1608 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DBO5022-100M	10	1	0.040	3.9
DBO5022-150M	15	1	0.048	3.4
DBO5022-220M	22	1	0.059	3.1
DBO5022-330M	33	1	0.075	2.8
DBO5022-470M	47	1	0.097	2.4
DBO5022-680M	68	1	0.138	2.0
DBO5022-101M	100	1	0.207	1.7
DBO5022-151M	150	1	0.293	1.3
DBO5022-221M	220	1	0.47	1.1
DBO5022-331M	330	1	0.78	0.86
DBO5022-471M	470	1	1.08	0.73
DBO5022-681M	680	1	1.40	0.64
DBO5022-102M	1000	1	2.01	0.53

* Rated DC Current: Base on the inductance is 90% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

INDUCTORS

For general use
Shielded SMD Power Inductors

SDRH Series

FEATURES

- Low profile and square.
- Magnetically shielded and low DC resistance.
- Suitable for large currents.
- Excellent solderability and high heat resistance.
- Low cost and packed in embossed carrier tape.

APPLICATIONS

Ideal use in notebook, hard disk, DC/DC converters,
Digital camera, LCD television set, and other electronic
equipment.



PRODUCT IDENTIFICATION

SDRH 4D18 ... 101 M T
a b c d e

a. Series name

SDRH	SDRH series
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c. Inductance (uH)

1R5	1.5
100	10
101	100

e. Packaging Style

T	Tape & Reel
B	Bulk

b. Dimensions

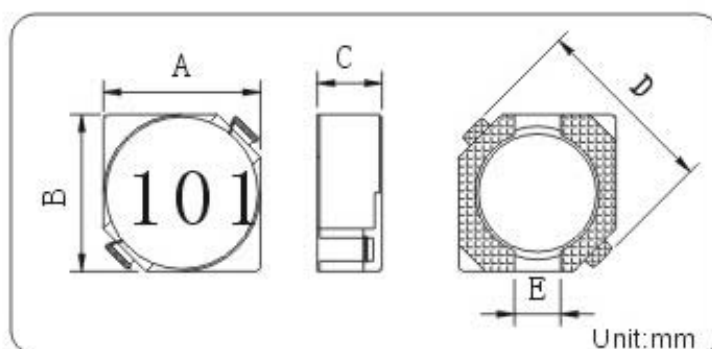
LxWxT (mm)

3D16	3.6x3.6x1.6
3D28	3.6x3.6x2.8
4D18	4.7x4.7x1.8
4D28	4.7x4.7x2.8
5D18	5.8x5.8x1.8
5D28	5.8x5.8x2.8
6D28	6.8x6.8x2.8
6D38	6.8x6.8x3.8

d. Tolerance

K	±10%
M	±20%
N	±30%

DIMENSIONS



TYPE	A	B	C	D	E
SDRH2D11	3.2 Max	3.2 Max	1.3 Max	4.5	1.0
SDRH2D18	3.2 Max	3.2 Max	2.0 Max	4.5	1.0
SDRH3D16	4.0 Max.	4.0 Max.	1.8 Max.	5.5	1.2
SDRH3D28	4.0 Max.	4.0 Max.	3.0 Max.	5.5	1.2
SDRH4D18	5.0 Max.	5.0 Max.	2.0 Max.	6.9	1.5
SDRH4D28	5.0 Max.	5.0 Max.	3.0 Max.	6.9	1.5
SDRH5D18	6.0 Max.	6.0 Max.	2.0 Max.	8.2	2.0
SDRH5D28	6.0 Max.	6.0 Max.	3.0 Max.	8.2	2.0
SDRH6D28	7.0 Max.	7.0 Max.	3.0 Max.	9.5	2.0
SDRH6D38	7.0 Max.	7.0 Max.	4.0 Max.	9.5	2.0

SDRH Series



SDRH2D 11 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SDRH2D11-1R5N	1.5	100	0.068	0.90
SDRH2D11-2R2N	2.2	100	0.098	0.78
SDRH2D11-3R3N	3.3	100	0.123	0.60
SDRH2D11-4R7N	4.7	100	0.17	0.50
SDRH2D11-6R8N	6.8	100	0.26	0.44
SDRH2D11-100N	10	1	0.40	0.35

SDRH2D 18 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SDRH2D18-2R2N	2.2	100	0.041	0.85
SDRH2D18-3R3N	3.3	100	0.054	0.75
SDRH2D18-4R7N	4.7	100	0.078	0.63
SDRH2D18-6R8N	6.8	100	0.115	0.52
SDRH2D18-100N	10	1	0.180	0.43
SDRH2D18-150M	15	1	0.220	0.35
SDRH2D18-220M	22	1	0.363	0.30
SDRH2D18-330M	33	1	0.516	0.24
SDRH2D18-470M	47	1	0.750	0.20

SDRH3D 16 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SDRH3D16-1R5N	1.5	100	0.052	1.55
SDRH3D16-2R2N	2.2	100	0.072	1.20
SDRH3D16-3R3N	3.3	100	0.085	1.10
SDRH3D16-4R7N	4.7	100	0.105	0.90
SDRH3D16-6R8N	6.8	100	0.170	0.73
SDRH3D16-100M	10	1	0.210	0.55
SDRH3D16-150M	15	1	0.295	0.45
SDRH3D16-220M	22	1	0.430	0.40
SDRH3D16-330M	33	1	0.675	0.32

* Rated DC Current: Base on the inductance is 65% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

SDRH Series



SDRH3D 28 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SDRH3D28-3R3N	3.3	100	0.0721	1.85
SDRH3D28-4R7N	4.7	100	0.0883	1.62
SDRH3D28-6R8N	6.8	100	0.119	1.24
SDRH3D28-100M	10	1	0.145	1.05
SDRH3D28-150M	15	1	0.213	0.90
SDRH3D28-220M	22	1	0.335	0.76
SDRH3D28-330M	33	1	0.418	0.58
SDRH3D28-470M	47	1	0.599	0.48

SDRH4D 18 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SDRH4D18-1R0N	1.0	100	0.045	1.72
SDRH4D18-2R2N	2.2	100	0.075	1.32
SDRH4D18-2R7N	2.7	100	0.105	1.28
SDRH4D18-3R3N	3.3	100	0.110	1.04
SDRH4D18-3R9N	3.9	100	0.155	0.88
SDRH4D18-4R7N	4.7	100	0.162	0.84
SDRH4D18-5R6N	5.6	100	0.170	0.80
SDRH4D18-6R8N	6.8	100	0.200	0.76
SDRH4D18-8R2N	8.2	100	0.245	0.68
SDRH4D18-100M	10	1	0.200	0.61
SDRH4D18-120M	12	1	0.210	0.56
SDRH4D18-150M	15	1	0.240	0.50
SDRH4D18-180M	18	1	0.338	0.48
SDRH4D18-220M	22	1	0.397	0.41
SDRH4D18-270M	27	1	0.441	0.35
SDRH4D18-330M	33	1	0.690	0.32
SDRH4D18-390M	39	1	0.709	0.30
SDRH4D18-470M	47	1	0.922	0.28
SDRH4D18-560M	56	1	1.08	0.26
SDRH4D18-680M	68	1	1.30	0.24
SDRH4D18-820M	82	1	1.56	0.22
SDRH4D18-101M	100	1	1.73	0.20
SDRH4D18-121M	120	1	2.39	0.18
SDRH4D18-151M	150	1	2.67	0.15
SDRH4D18-181M	180	1	4.00	0.14

* Rated DC Current: Base on the inductance is 65% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

SDRH Series



SDRH4D 28 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SDRH4D28-1R2N	1.2	100	0.024	2.56
SDRH4D28-1R8N	1.8	100	0.028	2.20
SDRH4D28-2R2N	2.2	100	0.031	2.04
SDRH4D28-2R7N	2.7	100	0.043	1.60
SDRH4D28-3R3N	3.3	100	0.049	1.57
SDRH4D28-3R9N	3.9	100	0.065	1.44
SDRH4D28-4R7N	4.7	100	0.072	1.32
SDRH4D28-5R6N	5.6	100	0.101	1.17
SDRH4D28-6R8N	6.8	100	0.109	1.12
SDRH4D28-8R2N	8.2	100	0.118	1.04
SDRH4D28-100M	10	1	0.128	1.00
SDRH4D28-120M	12	1	0.132	0.84
SDRH4D28-150M	15	1	0.149	0.76
SDRH4D28-180M	18	1	0.166	0.72
SDRH4D28-220M	22	1	0.235	0.70
SDRH4D28-270M	27	1	0.281	0.58
SDRH4D28-330M	33	1	0.378	0.56
SDRH4D28-390M	39	1	0.384	0.50
SDRH4D28-470M	47	1	0.587	0.48
SDRH4D28-560M	56	1	0.625	0.41
SDRH4D28-680M	68	1	0.699	0.35
SDRH4D28-820M	82	1	0.915	0.32
SDRH4D28-101M	100	1	1.02	0.29
SDRH4D28-121M	120	1	1.27	0.27
SDRH4D28-151M	150	1	1.35	0.24
SDRH4D28-181M	180	1	1.54	0.22

SDRH5D 18 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SDRH5D18-4R1N	4.1	100	0.057	1.95
SDRH5D18-5R4N	5.4	100	0.076	1.60
SDRH5D18-6R2N	6.2	100	0.096	1.40
SDRH5D18-8R9N	8.9	100	0.116	1.25
SDRH5D18-100M	10	1	0.124	1.20
SDRH5D18-120M	12	1	0.153	1.10
SDRH5D18-150M	15	1	0.196	0.97
SDRH5D18-180M	18	1	0.210	0.85
SDRH5D18-220M	22	1	0.290	0.80
SDRH5D18-270M	27	1	0.330	0.75
SDRH5D18-330M	33	1	0.386	0.65
SDRH5D18-390M	39	1	0.520	0.57
SDRH5D18-470M	47	1	0.595	0.54
SDRH5D18-560M	56	1	0.665	0.50
SDRH5D18-680M	68	1	0.840	0.43
SDRH5D18-820M	82	1	0.978	0.41
SDRH5D18-101M	100	1	1.20	0.36

* Rated DC Current: Base on the inductance is 65% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

SDRH Series



SDRH5D 28 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SDRH5D28-2R5N	2.5	100	0.018	2.60
SDRH5D28-3R0N	3.0	100	0.024	2.40
SDRH5D28-4R2N	4.2	100	0.031	2.20
SDRH5D28-5R3N	5.3	100	0.038	1.90
SDRH5D28-6R2N	6.2	100	0.045	1.80
SDRH5D28-8R2N	8.2	100	0.053	1.60
SDRH5D28-100M	10	1	0.065	1.30
SDRH5D28-120M	12	1	0.076	1.20
SDRH5D28-150M	15	1	0.103	1.10
SDRH5D28-180M	18	1	0.110	1.00
SDRH5D28-220M	22	1	0.122	0.90
SDRH5D28-270M	27	1	0.175	0.85
SDRH5D28-330M	33	1	0.189	0.75
SDRH5D28-390M	39	1	0.212	0.70
SDRH5D28-470M	47	1	0.250	0.62
SDRH5D28-560M	56	1	0.305	0.58
SDRH5D28-680M	68	1	0.355	0.52
SDRH5D28-820M	82	1	0.463	0.46
SDRH5D28-101M	100	1	0.520	0.42

SDRH6D 28 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SDRH6D28-3R0N	3.0	100	0.024	3.00
SDRH6D28-3R9N	3.9	100	0.027	2.60
SDRH6D28-5R0N	5.0	100	0.031	2.40
SDRH6D28-6R0N	6.0	100	0.035	2.25
SDRH6D28-7R3N	7.3	100	0.054	2.10
SDRH6D28-8R6N	8.6	100	0.058	1.85
SDRH6D28-100M	10	1	0.065	1.70
SDRH6D28-120M	12	1	0.070	1.55
SDRH6D28-150M	15	1	0.084	1.40
SDRH6D28-180M	18	1	0.095	1.32
SDRH6D28-220M	22	1	0.128	1.20
SDRH6D28-270M	27	1	0.142	1.05
SDRH6D28-330M	33	1	0.165	0.97
SDRH6D28-390M	39	1	0.210	0.86
SDRH6D28-470M	47	1	0.238	0.80
SDRH6D28-560M	56	1	0.277	0.73
SDRH6D28-680M	68	1	0.304	0.65
SDRH6D28-820M	82	1	0.390	0.60
SDRH6D28-101M	100	1	0.535	0.54

* Rated DC Current: Base on the inductance is 65% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

SDRH Series



SDRH6D 38 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SDRH6D38-3R3N	3.3	100	0.020	3.50
SDRH6D38-5R0N	5.0	100	0.024	2.90
SDRH6D38-6R2N	6.2	100	0.027	2.50
SDRH6D38-7R4N	7.4	100	0.031	2.30
SDRH6D38-8R7N	8.7	100	0.034	2.20
SDRH6D38-100M	10	1	0.038	2.00
SDRH6D38-120M	12	1	0.053	1.70
SDRH6D38-150M	15	1	0.057	1.60
SDRH6D38-180M	18	1	0.092	1.50
SDRH6D38-220M	22	1	0.096	1.30
SDRH6D38-270M	27	1	0.109	1.20
SDRH6D38-330M	33	1	0.124	1.10
SDRH6D38-390M	39	1	0.138	1.00
SDRH6D38-470M	47	1	0.155	0.95
SDRH6D38-560M	56	1	0.202	0.85
SDRH6D38-680M	68	1	0.234	0.75
SDRH6D38-820M	82	1	0.324	0.70
SDRH6D38-101M	100	1	0.358	0.65

* Rated DC Current: Base on the inductance is 65% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

INDUCTORS

For general use
Shielded SMD Power Inductors

SDRH Series

FEATURES

- Low profile and square.
- Magnetically shielded and low DC resistance.
- Suitable for large currents.
- Excellent solderability and high heat resistance.
- Low cost and packed in embossed carrier tape.

APPLICATIONS

DC/DC converters for portable equipments, AV equipments,
Mobile computers, Small size communication equipment etc.



PRODUCT IDENTIFICATION

SDRH	8D28	330	M	T
a	b	c	d	e

a. Series name

SDRH	SDRH series
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c. Inductance (uH)

1R5	1.5
100	10
101	100

e. Packaging Style

T	Tape & Reel
B	Bulk

b. Dimensions

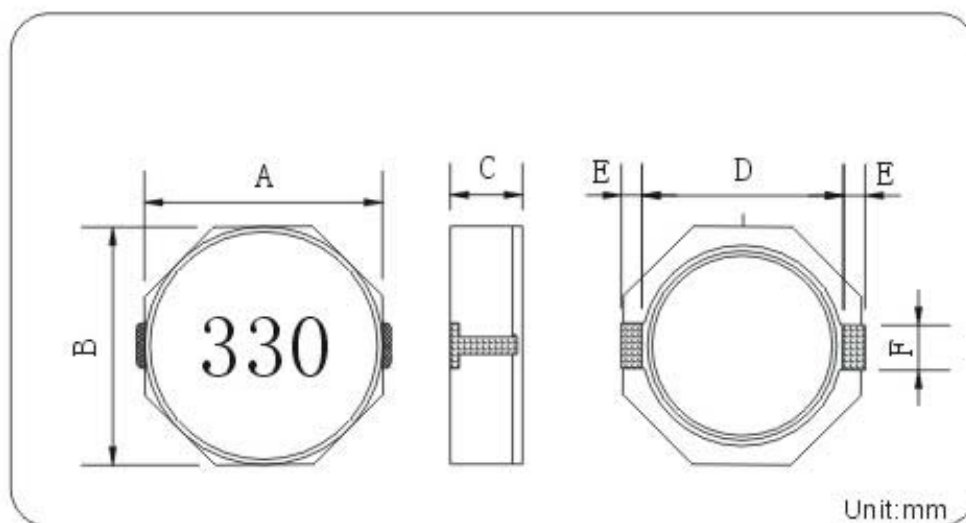
LxWxT (mm)

8D28	8.0x8.0x2.8
8D43	8.0x8.0x4.3

d. Tolerance

M	±20%
N	±30%

DIMENSIONS



TYPE	A	B	C	D	E	F
SDRH8D28	8.3 Max	8.3 Max	3.0 Max	6.3	1.2	2.5
SDRH8D43	8.3 Max	8.3 Max	4.5Max	6.3	1.2	2.5

SDRH Series



SDRH8D 28 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SDRH8D28-2R5N	2.5	100	0.016	5.40
SDRH8D28-3R3N	3.3	100	0.019	4.80
SDRH8D28-4R7N	4.7	100	0.022	4.00
SDRH8D28-6R8N	6.8	100	0.025	3.20
SDRH8D28-100M	10	1	0.036	2.70
SDRH8D28-150M	15	1	0.053	2.20
SDRH8D28-220M	22	1	0.075	1.80
SDRH8D28-330M	33	1	0.125	1.40
SDRH8D28-470M	47	1	0.15	1.25
SDRH8D28-680M	68	1	0.24	0.96
SDRH8D28-101M	100	1	0.36	0.78

SDRH8D 43 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SDRH8D43-2R0N	2.0	100	0.014	6.4
SDRH8D43-3R9N	3.9	100	0.019	5.0
SDRH8D43-4R7N	4.7	100	0.022	4.6
SDRH8D43-6R8N	6.8	100	0.025	4.2
SDRH8D43-100M	10	1	0.036	3.6
SDRH8D43-150M	15	1	0.053	2.6
SDRH8D43-220M	22	1	0.075	2.1
SDRH8D43-330M	33	1	0.125	1.6
SDRH8D43-470M	47	1	0.150	1.4
SDRH8D43-680M	68	1	0.240	1.2
SDRH8D43-101M	100	1	0.360	0.9

* Rated DC Current: Base on the inductance is 65% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

INDUCTORS

For general use
Shielded SMD Power Inductors

SDRH Series

FEATURES

- Low profile and square.
- Magnetically shielded and low DC resistance.
- Suitable for large currents.
- Excellent solderability and high heat resistance.
- Low cost and packed in embossed carrier tape.

APPLICATIONS

Power supply for VTRs, LCD televisions, Notebook PCs,
Portable communication equipment, DC/DC converters etc.



PRODUCT IDENTIFICATION

SDRH	104R	150	M	T
a	b	c	d	e

a. Series name

SDRH	SDRH series
------	-------------

c. Inductance (uH)

1R5	1.5
100	10
101	100

e. Packaging Style

T	Tape & Reel
B	Bulk

b. Dimensions

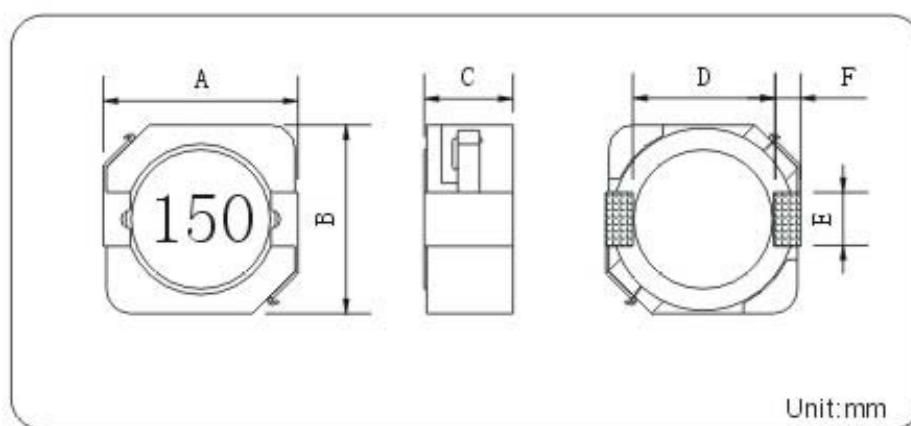
LXWXT(mm)

104R	10.0X10.0X4.0
105R	10.0X10.0X5.0

d. Tolerance

K	±10%
M	±20%
N	±30%

DIMENSIONS



TYPE	A	B	C	D	E	F
SDRH104R	10.4 Max	10.3 Max	4.0Max	7.7	3.0	1.2
SDRH105R	10.5 Max	10.3 Max	5.1Max	7.7	3.0	1.2

SDRH Series



SDRH104R TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω)MAX.	Rated DC current (A)MAX.
SDRH104R-1R5N	1.5	100	0.010	10.0
SDRH104R-2R5N	2.5	100	0.010	7.50
SDRH104R-3R8N	3.8	100	0.013	6.00
SDRH104R-5R2N	5.2	100	0.022	5.50
SDRH104R-7R0N	7.0	100	0.027	4.80
SDRH104R-100M	10	1	0.035	4.40
SDRH104R-150M	15	1	0.050	3.60
SDRH104R-220M	22	1	0.073	2.90
SDRH104R-330M	33	1	0.093	2.30
SDRH104R-470M	47	1	0.128	2.10
SDRH104R-680M	68	1	0.213	1.50
SDRH104R-101M	100	1	0.304	1.35
SDRH104R-151M	150	1	0.506	1.15
SDRH104R-221M	220	1	0.756	0.92
SDRH104R-331M	330	1	1.09	0.70

SDRH105R TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω)MAX.	Rated DC current (A)MAX.
SDRH105R-1R5N	1.5	100	0.006	7.0
SDRH105R-2R2N	2.2	100	0.007	6.3
SDRH105R-3R3N	3.3	100	0.011	5.75
SDRH105R-4R7N	4.7	100	0.013	4.75
SDRH105R-6R8N	6.8	100	0.018	4.10
SDRH105R-8R2N	8.2	100	0.020	4.00
SDRH105R-100M	10	1	0.026	3.75
SDRH105R-120M	12	1	0.032	3.40
SDRH105R-150M	15	1	0.041	2.65
SDRH105R-180M	18	1	0.046	2.62
SDRH105R-220M	22	1	0.061	2.44
SDRH105R-270M	27	1	0.066	2.24
SDRH105R-330M	33	1	0.084	1.88
SDRH105R-390M	39	1	0.103	1.70
SDRH105R-470M	47	1	0.130	1.50
SDRH105R-560M	56	1	0.149	1.45
SDRH105R-680M	68	1	0.201	1.20
SDRH105R-820M	82	1	0.227	0.95
SDRH105R-101M	100	1	0.253	0.90
SDRH105R-121M	120	1	0.298	0.85
SDRH105R-151M	150	1	0.370	0.80
SDRH105R-181M	180	1	0.394	0.75
SDRH105R-221M	220	1	0.500	0.70
SDRH105R-271M	270	1	0.633	0.60
SDRH105R-331M	330	1	0.812	0.50

* Rated DC Current: Base on the inductance is 65% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

INDUCTORS

For general use
Shielded SMD Power Inductors

DS Series

FEATURES

- Flat bottom surface ensures secure reliable mounting.
- Low profile, low DC resistance, and high current handling capacities.
- These parts can be used in high-density mounting configuration because they are magnetically shielded
- Provided in embossed carrier tape packaging for use with automatic mounting machines.

APPLICATIONS

Mobile phone personal computer hard disk drives.
Game/play station., DC/DC converters etc.



PRODUCT IDENTIFICATION

DS	73	100	K	T
a	b	c	d	e

a. Series name

DS	DS series
----	-----------

b. Dimensions

LxWxT (mm)

73	7.4x7.4x3.0
74	7.4x7.4x4.0

c. Inductance value (uH)

100	10
101	100

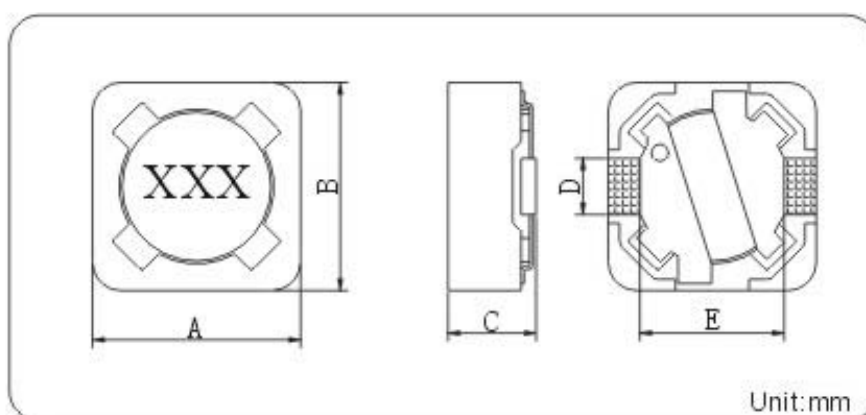
d. Inductance Tolerance

M	±20%
N	±30%

e. Packing type

B	Bulk
T	Tape & Reel

DIMENSIONS



TYPE	A	B	C	D	E
DS73	7.5 Max.	7.5 Max.	3.5 Max.	1.8	5.0
DS74	7.5 Max.	7.5 Max.	4.5 Max.	1.8	5.0

DS Series



DS73 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DS73-100M	10	1	0.08	1.68
DS73-120M	12	1	0.10	1.52
DS73-150M	15	1	0.13	1.33
DS73-180M	18	1	0.14	1.20
DS73-220M	22	1	0.19	1.07
DS73-270M	27	1	0.21	0.96
DS73-330M	33	1	0.24	0.91
DS73-390M	39	1	0.32	0.77
DS73-470M	47	1	0.36	0.76
DS73-560M	56	1	0.47	0.68
DS73-680M	68	1	0.52	0.61
DS73-820M	82	1	0.69	0.57
DS73-101M	100	1	0.79	0.50
DS73-121M	120	1	0.89	0.49
DS73-151M	150	1	1.27	0.43
DS73-181M	180	1	1.45	0.39
DS73-221M	220	1	1.65	0.35
DS73-271M	270	1	2.31	0.32
DS73-331M	330	1	2.62	0.28
DS73-391M	390	1	2.94	0.26
DS73-471M	470	1	4.18	0.24
DS73-561M	560	1	4.67	0.22
DS73-681M	681	1	5.73	0.19
DS73-821M	820	1	6.54	0.18
DS73-102M	1000	1	9.44	0.16

DS74 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DS74-100M	10	1	0.05	1.84
DS74-120M	12	1	0.06	1.71
DS74-150M	15	1	0.09	1.47
DS74-180M	18	1	0.10	1.31
DS74-220M	22	1	0.11	1.23
DS74-270M	27	1	0.15	1.12
DS74-330M	33	1	0.17	0.96
DS74-390M	39	1	0.23	0.91
DS74-470M	47	1	0.26	0.88
DS74-560M	56	1	0.35	0.75
DS74-680M	68	1	0.38	0.69
DS74-820M	82	1	0.43	0.61
DS74-101M	100	1	0.61	0.60
DS74-121M	120	1	0.66	0.52
DS74-151M	150	1	0.88	0.46
DS74-181M	180	1	0.98	0.42
DS74-221M	220	1	1.17	0.36
DS74-271M	270	1	1.64	0.34
DS74-331M	330	1	1.86	0.32
DS74-391M	390	1	2.85	0.29
DS74-471M	470	1	3.01	0.26
DS74-561M	560	1	3.62	0.23
DS74-681M	680	1	4.63	0.22
DS74-821M	820	1	5.20	0.20
DS74-102M	1000	1	6.00	0.18

* Rated DC Current: Base on the inductance is 75% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

For general use
Shielded SMD Power Inductors

DS Series

FEATURES

- Flat bottom surface ensures secure reliable mounting.
- Low profile, low DC resistance, and high current handling capacities.
- These parts can be used in high-density mounting configuration because they are magnetically shielded
- Provided in embossed carrier tape packaging for use with automatic mounting machines.



APPLICATIONS

Mobile phone personal computer hard disk drives. Game/play station, DC/DC converters etc.

PRODUCT IDENTIFICATION

$$\frac{DS}{a} \quad \frac{1204}{b} \quad \frac{221}{c} \quad \frac{K}{d} \quad \frac{T}{e}$$

a. Series name	
DS	DS series

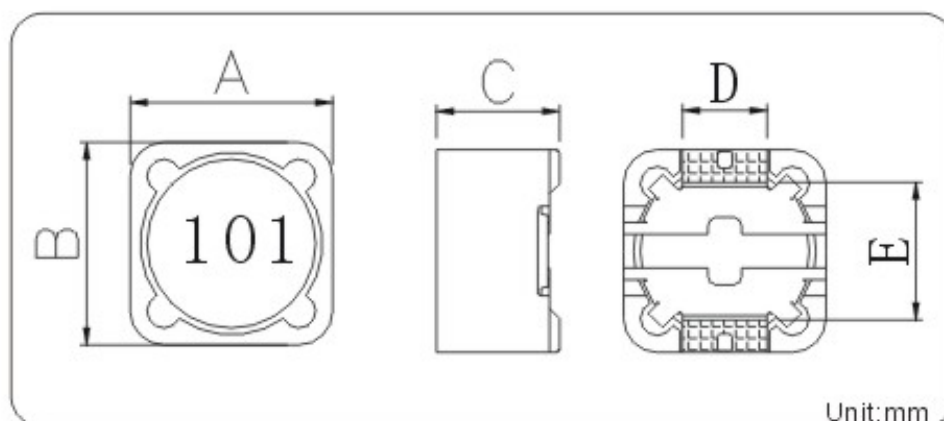
c. Inductance value (uH)	
3R9	3.9
100	10
101	100

d. Inductance Tolerance	
K	$\pm 10\%$
M	$\pm 20\%$
N	$\pm 30\%$

b. Dimensions	LxWxT (mm)
1204	12.5x12.5x4.0
1205	12.5x12.5x5.0
1207	12.5x12.5x7.0

e. Packing type	
B	Bulk
T	Tape & Reel

DIMENSIONS



TYPE	A	B	C	D	E
DS1204	12.3Max.	12.3Max.	5.0Max.	5.0	7.6
DS1205	12.3Max.	12.3Max.	6.0Max.	5.0	7.6
DS1207	12.3Max.	12.3Max.	8.0Max.	5.0	7.6

DS Series



DS1204 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DS1204-3R9N	3.9	100	0.015	6.5
DS1204-4R7N	4.7	100	0.018	5.7
DS1204-6R8N	6.8	100	0.023	4.9
DS1204-8R2N	8.2	100	0.026	4.6
DS1204-100M	10	1	0.028	4.5
DS1204-120M	12	1	0.038	4.0
DS1204-150M	15	1	0.050	3.2
DS1204-180M	18	1	0.057	3.1
DS1204-220M	22	1	0.066	2.9
DS1204-270M	27	1	0.080	2.8
DS1204-330M	33	1	0.097	2.7
DS1204-390M	39	1	0.132	2.1
DS1204-470M	47	1	0.150	1.9
DS1204-560M	56	1	0.190	1.8
DS1204-680M	68	1	0.220	1.5
DS1204-820M	82	1	0.260	1.3
DS1204-101M	100	1	0.308	1.2
DS1204-121M	120	1	0.380	1.1
DS1204-151M	150	1	0.530	0.95
DS1204-181M	180	1	0.620	0.85
DS1204-221M	220	1	0.700	0.80
DS1204-271M	270	1	0.876	0.60
DS1204-331M	330	1	0.990	0.50

DS1205 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DS1205-1R3N	1.3	100	0.012	8.0
DS1205-2R1N	2.1	100	0.014	7.0
DS1205-3R1N	3.1	100	0.017	6.0
DS1205-4R4N	4.4	100	0.020	5.0
DS1205-5R8N	5.8	100	0.021	4.4
DS1205-7R5N	7.5	100	0.024	4.2
DS1205-100M	10	1	0.025	4.0
DS1205-120M	12	1	0.027	3.5
DS1205-150M	15	1	0.030	3.3
DS1205-180M	18	1	0.034	3.0
DS1205-220M	22	1	0.036	2.8
DS1205-270M	27	1	0.051	2.3
DS1205-330M	33	1	0.057	2.1
DS1205-390M	39	1	0.068	2.0
DS1205-470M	47	1	0.075	1.8
DS1205-560M	56	1	0.11	1.7
DS1205-680M	68	1	0.12	1.5
DS1205-820M	82	1	0.14	1.4
DS1205-101M	100	1	0.16	1.3
DS1205-121M	120	1	0.17	1.1
DS1205-151M	150	1	0.23	1.0
DS1205-181M	180	1	0.29	0.9
DS1205-221M	220	1	0.40	0.8
DS1205-271M	270	1	0.46	0.75
DS1205-331M	330	1	0.51	0.68
DS1205-391M	390	1	0.69	0.65
DS1205-471M	470	1	0.77	0.58
DS1205-561M	560	1	0.86	0.54
DS1205-681M	680	1	1.20	0.48
DS1205-821M	820	1	1.34	0.43
DS1205-102M	1000	1	1.53	0.40

* Rated DC Current: Base on the inductance is 75% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

DS Series



DS1207 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
DS1207-1R2N	1.2	100	0.010	9.8
DS1207-2R4N	2.4	100	0.012	8.0
DS1207-3R5N	3.5	100	0.014	7.5
DS1207-4R7N	4.7	100	0.016	6.8
DS1207-6R1N	8.2	100	0.018	6.6
DS1207-7R6N	7.6	100	0.020	5.9
DS1207-100M	10	1	0.022	5.4
DS1207-120M	12	1	0.025	4.9
DS1207-150M	15	1	0.027	4.5
DS1207-180M	18	1	0.040	3.9
DS1207-220M	22	1	0.044	3.6
DS1207-270M	27	1	0.046	3.4
DS1207-330M	33	1	0.065	3.0
DS1207-390M	39	1	0.073	2.75
DS1207-470M	47	1	0.10	2.50
DS1207-560M	56	1	0.11	2.35
DS1207-680M	68	1	0.14	2.10
DS1207-820M	82	1	0.16	1.95
DS1207-101M	100	1	0.22	1.70
DS1207-121M	120	1	0.25	1.60
DS1207-151M	150	1	0.28	1.42
DS1207-181M	180	1	0.35	1.30
DS1207-221M	220	1	0.39	1.16
DS1207-271M	270	1	0.56	1.06
DS1207-331M	330	1	0.64	0.95
DS1207-391M	390	1	0.70	0.88
DS1207-471M	470	1	0.98	0.79
DS1207-561M	560	1	1.07	0.73
DS1207-681M	680	1	1.46	0.67
DS1207-821M	820	1	1.64	0.60
DS1207-102M	1000	1	1.82	0.55

* Rated DC Current: Base on the inductance is 75% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

For general use
Shielded SMD Power Inductors

SD Series

FEATURES

- Magnetic Shielded surface mount inductor with high current rating.
- Low resistance to keep power loss minimum.
- This component is compliant with RoHS legislation and also support lead-free soldering.



APPLICATIONS

Excellent for power line DC-DC conversion applications used in hard disk, notebook computers and other electronic equipment.

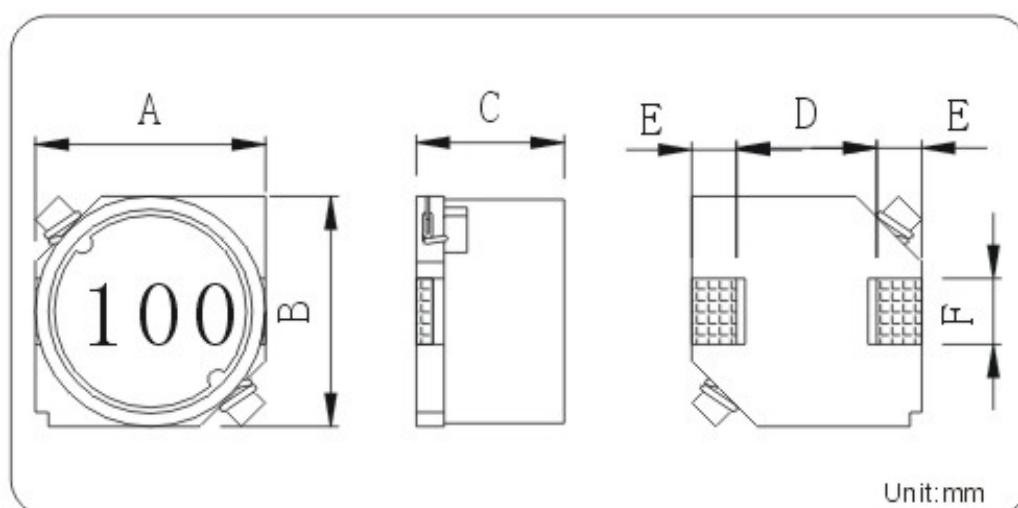
PRODUCT IDENTIFICATION

$\frac{SD}{a}$	$\frac{7032}{b}$	$\frac{100}{c}$	$\frac{M}{d}$	$\frac{T}{e}$
a. Series name				
SD			SD Series	
c. Inductance value (uH)				
100			10	
101			100	
d. Inductance Tolerance				
K			$\pm 10\%$	
M			$\pm 20\%$	
N			$\pm 30\%$	

b. Dimensions	LxWxT (mm)
7032	7.0x7.0x3.2
7045	7.0x7.0x4.5
10145	10.1x10.1x4.5
12565	12.5x12.5x6.5

e. Packing type	
B	Bulk
T	Tape & Reel

DIMENSIONS



TYPE	A	B	C	D	E	F
SD7032	7.0±0.3	7.0±0.3	3.2±0.3	4.0	1.5	2.0
SD7045	7.0±0.3	7.0±0.3	4.5±0.3	4.0	1.5	2.0
SD10145	10.1±0.3	10.1±0.3	4.5±0.3	6.0	2.0	3.0
SD12565	12.5±0.3	12.5±0.3	6.5±0.3	8.6	2.0	3.0

SD Series



SD7032 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SD7032-1R0N	1.0	100	0.019	3.25
SD7032-1R5N	1.5	100	0.023	3.00
SD7032-2R2N	2.2	100	0.033	2.55
SD7032-3R3N	3.3	100	0.035	2.40
SD7032-4R7N	4.7	100	0.046	2.10
SD7032-6R8N	6.8	100	0.060	1.90
SD7032-100M	10	1	0.09	1.50
SD7032-120M	12	1	0.12	1.45
SD7032-150M	15	1	0.13	1.20
SD7032-180M	18	1	0.15	1.15
SD7032-220M	22	1	0.19	1.05
SD7032-270M	27	1	0.20	1.00
SD7032-330M	33	1	0.28	0.90
SD7032-390M	39	1	0.30	0.80
SD7032-470M	47	1	0.34	0.75
SD7032-560M	56	1	0.44	0.68
SD7032-680M	68	1	0.50	0.65
SD7032-820M	82	1	0.68	0.60
SD7032-101M	100	1	0.76	0.50
SD7032-331M	330	1	2.60	0.28
SD7032-471M	470	1	3.30	0.23
SD7032-561M	560	1	5.70	0.20
SD7032-681M	680	1	6.10	0.18
SD7032-102M	1000	1	7.40	0.16

SD7045 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SD7045-3R3N	3.3	100	0.030	2.50
SD7045-4R7N	4.7	100	0.036	2.00
SD7045-6R8N	6.8	100	0.045	1.70
SD7045-100M	10	1	0.060	1.30
SD7045-120M	12	1	0.065	1.20
SD7045-150M	15	1	0.070	1.10
SD7045-180M	18	1	0.080	1.00
SD7045-220M	22	1	0.090	0.90
SD7045-270M	27	1	0.120	0.86
SD7045-330M	33	1	0.135	0.82
SD7045-390M	39	1	0.15	0.80
SD7045-470M	47	1	0.17	0.75
SD7045-680M	68	1	0.27	0.60
SD7045-820M	82	1	0.30	0.57
SD7045-101M	100	1	0.36	0.50
SD7045-151M	150	1	0.53	0.40
SD7045-221M	220	1	0.80	0.33
SD7045-331M	330	1	1.00	0.25
SD7045-471M	470	1	1.60	0.22
SD7045-681M	680	1	2.50	0.20
SD7045-102M	1000	1	3.20	0.14

* Rated DC Current: Base on the inductance is 90% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

SD Series



SD10145 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SD10145-100M	10	1	0.042	2.5
SD10145-120M	12	1	0.050	2.3
SD10145-150M	15	1	0.055	2.2
SD10145-180M	18	1	0.060	2.1
SD10145-220M	22	1	0.080	1.9
SD10145-270M	27	1	0.085	1.7
SD10145-330M	33	1	0.11	1.6
SD10145-390M	39	1	0.12	1.4
SD10145-470M	47	1	0.15	1.3
SD10145-680M	68	1	0.19	1.2
SD10145-820M	82	1	0.21	1.1
SD10145-101M	100	1	0.30	1.0
SD10145-151M	150	1	0.42	0.79
SD10145-221M	220	1	0.56	0.65
SD10145-331M	330	1	0.82	0.54
SD10145-471M	470	1	1.24	0.47
SD10145-681M	680	1	1.92	0.38
SD10145-102M	1000	1	2.58	0.29
SD10145-152M	1500	1	3.40	0.22

SD12565 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SD12565-2R0N	2.0	100	0.016	6.2
SD12565-4R2N	4.2	100	0.021	5.5
SD12565-7R0N	7.0	100	0.025	5.0
SD12565-100M	10	1	0.029	4.8
SD12565-150M	15	1	0.034	4.4
SD12565-220M	22	1	0.045	3.5
SD12565-330M	33	1	0.050	2.8
SD12565-470M	47	1	0.070	2.4
SD12565-680M	68	1	0.095	2.0
SD12565-101M	100	1	0.148	1.6
SD12565-151M	150	1	0.328	1.0

SD12575 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SD12575-1R2N	1.2	100	0.009	8.2
SD12575-2R7N	2.7	100	0.012	7.0
SD12575-3R9N	3.9	100	0.013	6.7
SD12575-5R6N	5.6	100	0.014	6.3
SD12575-6R8N	6.8	100	0.016	5.9
SD12575-100M	10	1	0.019	5.4
SD12575-150M	15	1	0.023	4.7
SD12575-220M	22	1	0.032	4.0
SD12575-330M	33	1	0.048	3.2
SD12575-470M	47	1	0.064	2.7
SD12575-680M	68	1	0.094	2.0
SD12575-101M	100	1	0.15	1.9
SD12575-151M	150	1	0.21	1.5
SD12575-221M	220	1	0.31	1.3

* Rated DC Current: Base on the inductance is 90% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

INDUCTORS

For general use
Shielded SMD Power Inductors

PDR Series

FEATURES

Various high power inductors are superior to be high saturation for surface mounting, with magnetic shield against radiation.

APPLICATIONS

Power supply for VTRs, LCD televisions, Notebook PCs,
Portable communication equipment, DC/DC converters, etc.

PRODUCT IDENTIFICATION

$\frac{\text{PDR}}{\text{a}}$ $\frac{63}{\text{b}}$ $\frac{100}{\text{c}}$ $\frac{\text{M}}{\text{d}}$ $\frac{\text{T}}{\text{e}}$

a. Series name

PDR	PDR Series
-----	------------

c. Inductance value (uH)

1R0	1.0
101	100
101	100

e. Packing type

B	Bulk
T	Tape & Reel

b. Dimensions

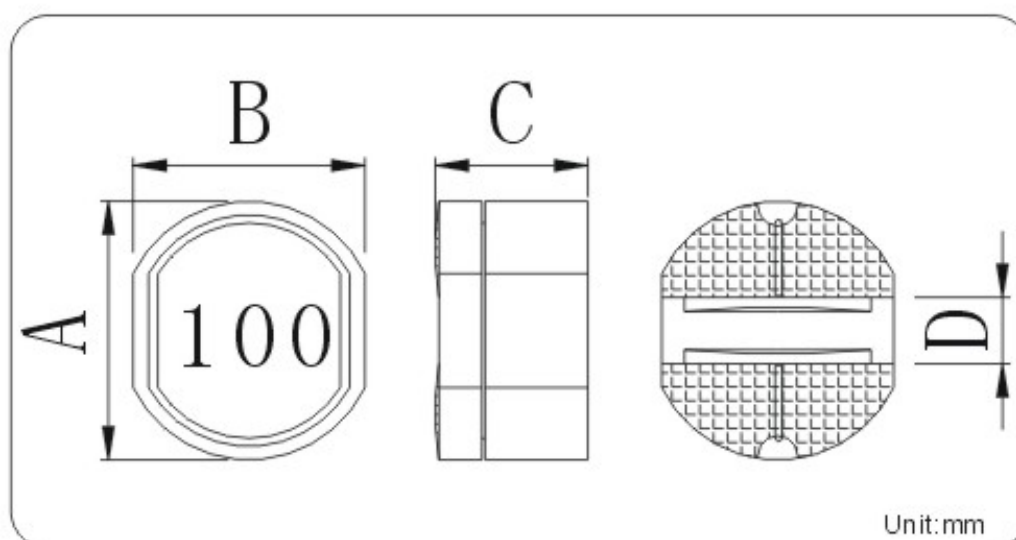
	LxWxT (mm)
63	6.2x5.6x3.2
105	10.0x9.0x5.0

d. Inductance Tolerance

K	±10%
M	±20%
N	±30%



DIMENSIONS



TYPE	A	B	C	D
PDR63	6.2±0.3	5.6±0.3	3.5MAX.	1.7
PDR105	10.0±0.4	9.0±0.4	5.5MAX.	2.5

PDR Series



PDR63 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
PDR63-100M	10	1	0.14	1.00
PDR63-120M	12	1	0.16	0.94
PDR63-150M	15	1	0.18	0.86
PDR63-180M	18	1	0.25	0.78
PDR63-220M	22	1	0.32	0.76
PDR63-270M	27	1	0.36	0.64
PDR63-330M	33	1	0.41	0.61
PDR63-390M	39	1	0.47	0.53
PDR63-470M	47	1	0.51	0.50
PDR63-560M	56	1	0.72	0.46
PDR63-680M	68	1	0.82	0.42

PDR105 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
PDR105-100M	10	1	0.060	2.06
PDR105-120M	12	1	0.065	1.94
PDR105-150M	15	1	0.070	1.72
PDR105-180M	18	1	0.075	1.58
PDR105-220M	22	1	0.080	1.42
PDR105-270M	27	1	0.10	1.32
PDR105-330M	33	1	0.11	1.16
PDR105-390M	39	1	0.12	1.10
PDR105-470M	47	1	0.14	1.00
PDR105-560M	56	1	0.19	0.93
PDR105-680M	68	1	0.21	0.85
PDR105-820M	82	1	0.28	0.79
PDR105-101M	100	1	0.34	0.72
PDR105-121M	120	1	0.37	0.63
PDR105-151M	150	1	0.51	0.55
PDR105-181M	180	1	0.57	0.50
PDR105-221M	220	1	0.78	0.47
PDR105-271M	270	1	0.87	0.41
PDR105-331M	330	1	1.20	0.37
PDR105-391M	390	1	1.34	0.35
PDR105-471M	470	1	1.50	0.33
PDR105-561M	560	1	1.68	0.30
PDR105-681M	680	1	2.00	0.28

* Rated DC Current: Base on the inductance is 90% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

INDUCTORS

For general use
Shielded SMD Power Inductors

SDRP Series

FEATURES

Various high power inductors are superior be high saturation for surface mounting, with magnetic shield against radiation.

APPLICATIONS

VTR, OAEquipment, LCD display, Notebook PC, Portable communication equipment, DC/DC converters, etc.

PRODUCT IDENTIFICATION

SDRP	6030	100	M	T
a	b	c	d	e

a. Series name

SDRP	SDRP Series
------	-------------

c. Inductance value (uH)

1R0	1.0
100	10
101	100

e. Packing type

B	Bulk
T	Tape & Reel

b. Dimensions

LxWxT (mm)

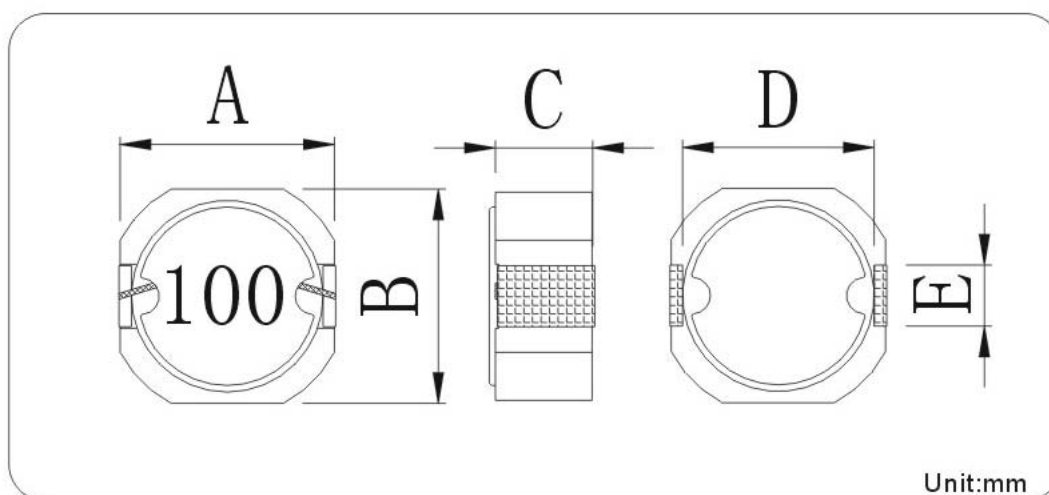
6020	6.0x6.0x2.0
6030	6.0x6.0x3.0
1045	10.0x10.0x4.5

d. Inductance Tolerance

K	± 10%
M	± 20%
N	± 30%



DIMENSIONS



TYPE	A	B	C	D	E
SDRP6020	6.5MAX.	6.5MAX.	2.0MAX.	4.8	2.0
SDRP6030	6.5MAX.	6.5MAX.	3.0MAX.	4.8	2.0
SDRP1045	10.5 MAX.	10.5 MAX.	4.8MAX.	6.0	3.0

SDRP Series



SDRP6020 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SDRP6020-3R3N	3.3	100	0.05	1.99
SDRP6020-4R7N	4.7	100	0.06	1.59
SDRP6020-6R2N	6.2	100	0.07	1.49
SDRP6020-8R2N	8.2	100	0.09	1.25
SDRP6020-100M	10	1	0.10	1.22
SDRP6020-120M	12	1	0.13	0.99
SDRP6020-150M	15	1	0.15	0.94
SDRP6020-180M	18	1	0.18	0.83
SDRP6020-220M	22	1	0.22	0.80
SDRP6020-270M	27	1	0.28	0.65
SDRP6020-330M	33	1	0.31	0.63
SDRP6020-390M	39	1	0.40	0.55
SDRP6020-470M	47	1	0.46	0.50

SDRP6030 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SDRP6030-2R2N	2.2	100	0.024	2.42
SDRP6030-3R6N	3.6	100	0.030	1.89
SDRP6030-4R7N	4.7	100	0.030	1.66
SDRP6030-6R2N	6.2	100	0.035	1.45
SDRP6030-100M	10	1	0.05	1.14
SDRP6030-120M	12	1	0.06	1.04
SDRP6030-150M	15	1	0.07	0.93
SDRP6030-180M	18	1	0.08	0.85
SDRP6030-220M	22	1	0.10	0.77
SDRP6030-270M	27	1	0.12	0.70
SDRP6030-330M	33	1	0.14	0.63
SDRP6030-390M	39	1	0.15	0.58
SDRP6030-470M	47	1	0.19	0.53
SDRP6030-560M	56	1	0.22	0.48
SDRP6030-680M	68	1	0.27	0.44
SDRP6030-820M	82	1	0.33	0.40
SDRP6030-101M	100	1	0.42	0.36
SDRP6030-151M	150	1	0.62	0.31

SDRP1045 TYPE

Part No.	Inductance (μ H)	Test frequency L, Q (KHz)	DC resistance (Ω) MAX.	Rated DC current (A) MAX.
SDRP1045-3R9N	3.9	100	0.03	4.6
SDRP1045-5R1N	5.1	100	0.04	3.8
SDRP1045-6R8N	6.8	100	0.05	3.1
SDRP1045-8R2N	8.2	1	0.05	2.9
SDRP1045-100M	10	1	0.06	2.7
SDRP1045-120M	12	1	0.07	2.5
SDRP1045-150M	15	1	0.07	2.3
SDRP1045-180M	18	1	0.08	2.0
SDRP1045-220M	22	1	0.09	1.9
SDRP1045-270M	27	1	0.10	1.8
SDRP1045-330M	33	1	0.13	1.6
SDRP1045-390M	39	1	0.15	1.4
SDRP1045-470M	47	1	0.18	1.3
SDRP1045-560M	56	1	0.20	1.2
SDRP1045-680M	68	1	0.24	1.1
SDRP1045-820M	82	1	0.30	1.0
SDRP1045-101M	100	1	0.38	0.9
SDRP1045-121M	120	1	0.46	0.8

* Rated DC Current: Base on the inductance is 70% more than its initial value and temperature rise $\Delta t=40^{\circ}\text{C}$ lower.

深圳市奥利路实业有限公司

SHENZHEN AOLSZ INDUSTRY CO.,LTD

地址:深圳市布吉下水径大排工业区5栋2楼

Add: 2/F Block5,Dapai Industrial Center.

Xiashuijing,Buji,Shenzhen

TEL: 86-755-28269325 28269326

FAX: 86-755-28269327

<http://www.aolsz.com>

世刚实业(香港)有限公司

AOLSZ INDUSTRY CO.,LTD

地址:香港湾仔庄士敦道68号互信大厦11楼B座

Add: Unit B,11/F,Trust Tower,68Johnston

Road.Wanchai,HongKong

TEL: 852-25200682 FAX: 852-25290496

乐山奥利路电子有限公司

LESHAN AOLSZ ELECTRONICS CO.,LTD

地址: 4F Gaoxinqu Industrial Centre Fenghuang

Road LeShan SiChuan China

TEL: 86-833-5310086 FAX: 86-833-5310096