



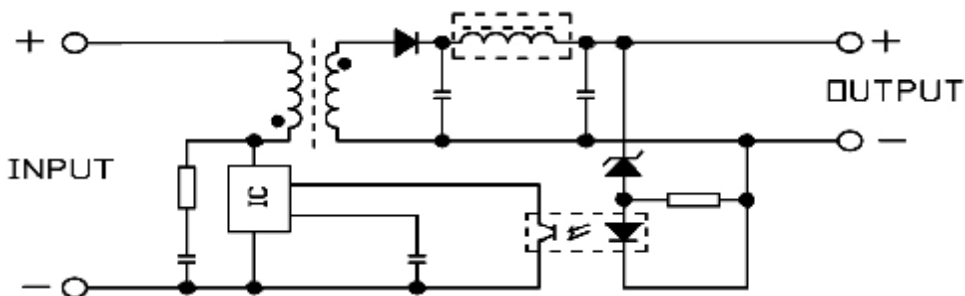
SMD POWER INDUCTORS SELECTION GUIDE

Unshielded Inductor Type					
Item	Type	Dimension (mm)	Inductance (uH)	Isat (A)	Lead Free P/N.
DA SERIES 	DA42	4.0 × 4.5 × 3.0	1.0 ~ 68	0.30 ~ 2.18	DA42NP
	DA43	4.0 × 4.5 × 3.5	1.0 ~ 100	0.32 ~ 5.50	DA43NP
	DA53	5.2 × 5.8 × 3.3	1.0 ~ 100	0.61 ~ 6.79	DA53NP
	DA54	5.2 × 5.8 × 4.8	1.0 ~ 330	0.24 ~ 4.50	DA54NP
	DA73	7.0 × 7.8 × 3.8	10 ~ 330	0.27 ~ 1.59	DA73NP
	DA75	7.0 × 7.8 × 5.3	10 ~ 470	0.34 ~ 2.30	DA75NP
	DA104	9.0 × 10.0 × 4.3	10 ~ 560	0.32 ~ 2.38	DA104NP
	DA105	9.0 × 10.0 × 5.7	10 ~ 820	0.39 ~ 3.50	DA105NP
FDA SERIES 	FDA32	2.5 × 3.2 × 2.0	0.27 ~ 220	0.11 ~ 3.5	FDA32NP
	FDA43	3.2 × 4.5 × 2.6	1.0 ~ 1000	0.15 ~ 4.5	FDA43NP
	FDA54	5.0 × 5.7 × 4.7	0.39 ~ 1000	0.29 ~ 13.5	FDA54NP
FD SEIES 	FD42	4.2 × 6.5 × 3.5	1.0 ~ 270	0.25 ~ 4.4	FD42NP
DH SERIES 	DH104	10.8 × 10.8 × 5.0	10 ~ 470	0.45 ~ 3.0	DH104NP
DBS SERIES 	DBS73	7.3 × 7.3 × 3.5	1.0 ~ 100	0.38 ~ 2.88	DBS73NP
	DBS75	7.3 × 7.3 × 5.1	1.0 ~ 470	0.19 ~ 2.88	DBS75NP
	DBS133	12.8 × 9.3 × 3.5	10.0 ~ 1000	0.10 ~ 2.40	DBS133NP
	DBS135	12.8 × 9.3 × 5.4	1.0 ~ 1000	0.36 ~ 9.90	DBS135NP
	DBS1312	12.8 × 9.3 × 11.2	10.0 ~ 1000	0.80 ~ 8.0	DBS1312NP
	DBS187C	18.5 × 14.5 × 7.11	0.82 ~ 1000	1.00 ~ 25.0	DBS187CNP
	DBS119	11.2 × 11.2 × 8.25	2.5 ~ 1200	0.35 ~ 5.3	DBS119NP
Shielded Inductor Type					
DRH SERIES 	DRH73	7.3 × 7.3 × 3.2	10.0 ~ 1000	0.18 ~ 1.84	DRH73NP
	DRH74	7.3 × 7.3 × 4.5	10.0 ~ 1000	0.20 ~ 2.1	DRH74NP
	DRH124	12.0 × 12.0 × 4.8	3.9 ~ 330	0.95 ~ 8.26	DRH124NP
	DRH125	12.0 × 12.0 × 6.0	10.0 ~ 1000	0.45 ~ 4.5	DRH125NP
	DRH127	12.0 × 12.0 × 8.0	1.2 ~ 1000	0.80 ~ 19.74	DRH127NP

※Specifications other than the above will be furnished upon request.

DRH-R SERIES 	DRH5D28R	6.0 × 6.0 × 2.8	1.8 ~ 560	0.18 ~ 3.09	DRH5D28RNP
	DRH104R	10.0 × 10.0 × 3.8	1.5 ~ 1000	0.48 ~ 9.82	DRH104RNP
DRH-D SERIES 	DRH4D18	5.0 × 5.0 × 2.0	1.0 ~ 180	0.21 ~ 2.46	DRH4D18NP
	DRH4D28	5.0 × 5.0 × 3.0	1.2 ~ 180	0.3 ~ 3.52	DRH4D28NP
	DRH5D18	6.0 × 6.0 × 2.0	3.6 ~ 120	0.35 ~ 1.97	DRH5D18NP
	DRH5D28	6.0 × 6.0 × 3.0	2.7 ~ 560	0.17 ~ 2.77	DRH5D28NP
	DRH6D28	7.0 × 7.0 × 3.0	3.3 ~ 100	0.54 ~ 3.00	DRH6D28NP
	DRH6D38	7.0 × 7.0 × 4.0	3.3 ~ 100	0.65 ~ 3.50	DRH6D38NP
SD SERIES 	SD73	7.0 × 7.0 × 3.5	1.0 ~ 270	0.22 ~ 3.5	SD73NP
	SD75	7.0 × 7.0 × 5.0	1.0 ~ 1000	0.14 ~ 4.0	SD75NP
	SD104	10.0 × 10.0 × 4.5	10.0 ~ 1500	3.0 ~ 0.22	SD104NP
	SD125	12.5 × 12.5 × 5.5	5.6 ~ 1500	0.29 ~ 3.6	SD125NP
	SD126	12.5 × 12.5 × 6.5	2.2 ~ 220	1.0 ~ 10.0	SD126NP
	SD127	12.5 × 12.5 × 7.5	1.2 ~ 220	1.3 ~ 13.0	SD127NP
SP SERIES 	SP52	6.6 × 4.5 × 2.8	470 ~ 22000	~	SP52NP
DC/DC Converter Inductor 	DRH124B	12.0 × 12.0 × 4.8	CUSTOMER OFFER REQUIRE	DRH124BNP	
	DRH125B	12.0 × 12.0 × 6.0		DRH125BNP	
	DRH126B	12.0 × 12.0 × 7.0		DRH126BNP	
	DRH127B	12.0 × 12.0 × 8.0		DRH127BNP	
	RDBS62	6.8 × 6.6 × 2.6		RDBS62NP	

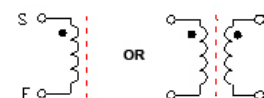
Typical Schematic Circuit (for ref.)



Securable construction and electrical specification

I	SIZE:	4.0X4.0X2.0 (max.) ~ 12.0x12.0x8.0 (max.) mm
I	INDUCTANCE:	0.6uH-10mH
I	RATED CURRENT:	0-20A

Produce Schematic:



※ Specifications other than the above will be furnished upon request.



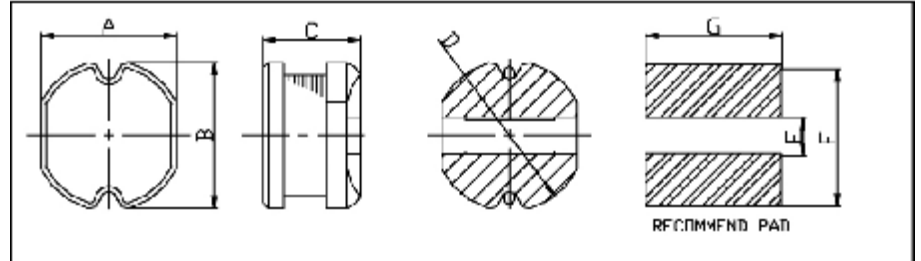
SMD POWER INDUCTORS

MODEL

DA Series



CONSTRUCTION



FEATURES

- I Ferrite core & AG electrode.
- I Large terminal surface suitable for good PCB mounting.
- I High current capacity.
- I Low core loss for high frequency power application.
- I Operating temperature -25°C to $+85^{\circ}\text{C}$

APPLICATION

- I Output choke coil for DC/DC converter etc.
- I Used in power supply of all kinds of small size electrical device, such as switching power supplies, charger, various computer peripheral equipment etc.

DIMENSION (mm)

TYPE	A	B	C	D	E	F	G	Package (pcs/reel)
DA32	3.0 ± 0.3	3.5 ± 0.3	Max2.5	$\Phi 3.5$	0.8	4	3.5	3000
DA42	4.0 ± 0.2	4.5 ± 0.2	Max3.0	$\Phi 4.5$	1.5	5	4.5	1500
DA43	4.0 ± 0.3	4.5 ± 0.3	Max.3.5	$\Phi 4.5$	1.5	5	4.5	1500
DA53	5.2 ± 0.3	5.8 ± 0.3	Max3.3	$\Phi 4.5$	1.7	6	5.5	1500
DA54	5.2 ± 0.3	5.8 ± 0.3	Max.4.8	$\Phi 5.8$	1.7	6	5.5	1000
DA73	7.0 ± 0.3	7.8 ± 0.3	Max3.8	$\Phi 7.8$	2.0	8	7.5	1000
DA75	7.0 ± 0.3	7.8 ± 0.3	Max5.3	$\Phi 7.8$	2.0	8	7.5	750
DA104	9.0 ± 0.3	10.0 ± 0.3	Max4.3	$\Phi 10.0$	2.5	10	9.5	1000
DA105	9.0 ± 0.3	10.0 ± 0.3	Max5.7	$\Phi 10.0$	2.5	10	9.5	750

※ Specifications other than the above will be furnished upon request.



SMD POWER INDUCTORS

ELECTRICAL CHARACTERISTIC

TYPE:		*DA32 DA42. DA43. DA53. DA54. DA73. DA75. DA104. DA105															
PART No.	L(μH)	D.C.R.(mΩ) MAX.								RATED CURRENT (A)							
		DA42	DA43	DA53	DA54	DA73	DA75	DA104	DA105	DA42	DA43	DA53	DA54	DA73	DA75	DA104	DA105
1R0	1.0	26.4	32.5	26.6	23.5					2.18	5.5	6.79	4.5				
1R2	1.2			34.0	27.5							5.56	4.0				
1R3	1.3		38.0								4.9						
1R5	1.5	30.9								1.90							
1R7	1.7		43.5								4.3						
1R8	1.8	35.1		41.3	32.0					1.70		4.70	3.5				
2R0	2.0		49.0								3.9						
2R2	2.2	40.3		48.9	36.5					1.54		4.08	2.9				
2R5	2.5		54.5								3.6						
2R7	2.7	45.2		55.8	40.5					1.40		3.60	2.5				
3R0	3.0		60.0								3.3						
3R3	3.3	51.0		61.6	45.0					1.28		3.22	2.4				
3R7	3.7		82.5								2.8						
3R9	3.9	65.7			49.5					1.19			2.3				
4R7	4.7	72.0	96.5	87.0	54.5					1.10	2.6	2.91	2.2				
5R6	5.6	84.0	104	98.2	64.0					0.98	2.4	2.66	2.0				
6R8	6.8	98.5	120	118	69.0					0.87	2.2	2.26	1.9				
8R2	8.2	106	131	131	79.0					0.82	2.0	2.11	1.7				
100	10	136	143	153	69.5	80.3	52	50	40	0.75	1.1	1.85	1.5	1.59	2.3	2.38	3.50
120	12	152	161	191	79.0	87.1	61	60	50	0.69	0.99	1.75	1.4	1.52	2.0	2.13	3.03
150	15	179	186	221	104	101	80	70	60	0.62	0.90	1.57	1.2	1.29	1.8	1.87	2.87
180	18	251	264	318	121	107	89	80	70	0.55	0.79	1.42	1.0	1.14	1.6	1.73	2.48
220	22	285	302	345	154	124	110	90	80	0.50	0.74	1.30	0.97	1.04	1.5	1.60	2.32
270	27	341	378	394	174	149	120	100	100	0.48	0.67	1.15	0.89	0.93	1.3	1.44	2.06
330	33	407	430	481	204	165	130	120	110	0.43	0.60	1.04	0.73	0.83	1.2	1.26	1.82
390	39	462	490	543	268	220	160	150	120	0.39	0.55	0.97	0.71	0.75	1.1	1.20	1.68
470	47	661	712	802	306	251	180	170	150	0.36	0.50	0.89	0.69	0.71	1.1	1.10	1.54
560	56	743	787	905	342	285	240	200	170	0.34	0.46	0.79	0.66	0.60	0.94	1.01	1.44
680	68	759	871	1300	381	333	280	220	210	0.30	0.43	0.75	0.61	0.59	0.85	0.91	1.27
820	82		1170	1500	505	414	370	250	240		0.37	0.67	0.54	0.54	0.78	0.85	1.18
101	100		1390	1700	589	487	430	340	330		0.32	0.61	0.48	0.47	0.72	0.74	1.05
121	120				779	549	470	400	370				0.37	0.45	0.66	0.69	0.95
151	150				895	772	640	540	430				0.35	0.39	0.58	0.61	0.88
181	180				1140	952	710	620	580				0.32	0.37	0.51	0.56	0.79
221	220				1267	1080	960	720	650				0.27	0.32	0.49	0.53	0.73
271	270				1434	1260	1110	950	880				0.25	0.30	0.42	0.45	0.64
331	330				1624	1450	1260	1100	1050				0.24	0.27	0.40	0.42	0.60
391	390						1770	1240	1200						0.36	0.38	0.54
471	470						1960	1530	1300						0.34	0.35	0.50
561	560							1900	1700							0.32	0.46
681	680								2000								0.42
821	820								2250								0.39

*DA32-----NEW DEVELOPMENT

I MEASURING FREQUENCY (L): DA42 DA43 DA53 DA54 (1.0~8.2μH) at 100kHz/1.0V
 DA42 DA43 DA53 DA54 (≥10μH) at 1kHz/1.0V
 DA73 DA75 DA104 DA105 at 1kHz/1V

I TOLERANCE OF INDUCTANCE: DA42 DA43 (1.0~27μH) DA53 DA54(1.0~18μH) DA104(10~47μH) DA105(10~39μH) ±20%(M)
 DA43(33~68μH) DA54(22~330μH) DA73 DA75 DA104(56~560μH) DA105(47~820μH) ±10%(K)

I RATED CURRENT: THE VALUE OF DIRECT CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN IT'S INITIAL VALUE AT D.C SUPERPOSITION OR WHEN COIL TEMPERATURE RISE ΔT=40°C,WHICHEVER IS SMALLER. (Ta=20°C)

※ Specifications other than the above will be furnished upon request.



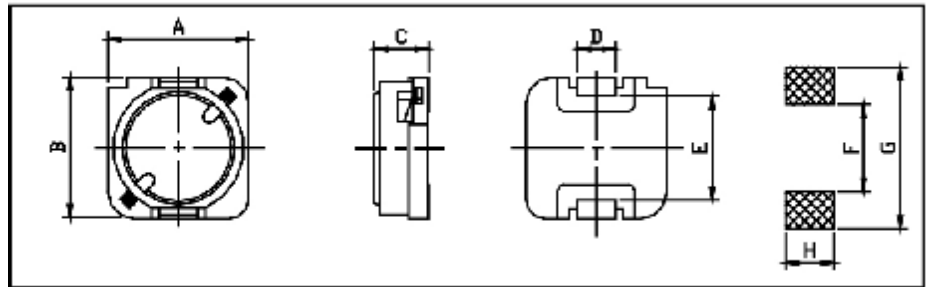
SMD POWER INDUCTORS

MODEL

SD Series



CONSTRUCTION



FEATURES

- I The SD series are characterized by low profile, low DC resistance, and high current handling capacities.
- I Because they are magnetically shielded, these parts can be used in high-density mounting configurations.
- I Flat bottom surface ensures secure, reliable mounting.
- I Provided in embossed carrier tape packaging for use with automatic mounting machines.
- I Operating temperature -25°C to $+85^{\circ}\text{C}$

APPLICATION

- I Portable telephones.
- I Personal computers.
- I Hard disk drives.
- I Other electronic equipment.

DIMENSION (mm)

TYPE	A	B	C	D	E	F	G	H	Package (pcs/reel)
SD73	7.0 ± 0.3	7.0 ± 0.3	3.5 Max	2.0 ± 0.1	5.4	4.4	7.4	3.0	1500
SD75	7.0 ± 0.3	7.0 ± 0.3	5.0 Max	2.0 ± 0.1	5.4	4.4	7.4	3.0	1000
SD104	10.1 ± 0.3	10.1 ± 0.3	4.5 ± 0.3	3.0 ± 0.1	6.0	5.6	10.6	3.2	500
SD125	12.5 ± 0.3	12.5 ± 0.3	5.5 ± 0.3	3.0 ± 0.1	8.6	8.2	13.6	3.2	500
SD126	12.5 ± 0.3	12.5 ± 0.3	6.5 ± 0.4	3.0 ± 0.1	8.6	8.2	13.6	3.2	500
SD127	12.5 ± 0.3	12.5 ± 0.3	7.5 ± 0.4	3.0 ± 0.1	8.6	8.2	13.6	3.2	500

※ Specifications other than the above will be furnished upon request.



SMD POWER INDUCTORS

ELECTRICAL CHARACTERISTIC

TYPE: SD73, SD75, SD125, SD126, SD127

PARTS No.	L (μH)	D.C.R. (mΩ)						Isat (A) Max.						I _{rms} (A) Max.					
		SD73	SD75	SD104	SD125	SD126	SD127	SD73	SD75	SD104	SD125	SD126	SD127	SD73	SD75	SD104	SD125	SD126	SD127
1R0	1.0	25	25					3.50	4.00					3.20	3.00				
1R2	1.2						6.9						13.0						8.20
1R5	1.5	31	30					2.90	3.40					2.90	2.80				
1R8	1.8	35						2.50						2.60					
2R2	2.2		35			11.7			3.00			10.0			2.60			6.20	
2R7	2.7	42					9.4	2.10					10.0	2.20					7.00
3R3	3.3	48	40					1.80	2.40					2.10	2.50				
3R9	3.9	55	46			15.0	10.4	1.70	2.20			7.30	9.0	2.00	2.40			5.50	6.70
4R7	4.7	61	52					1.50	2.00					1.90	2.30				
5R6	5.9	68	56		16		11.6	1.30	1.80		3.60		7.80	1.80	2.10		4.90		6.30
6R8	6.8	74	62			18	13.1	1.10	1.70			5.70	7.20	1.70	2.00			5.00	5.90
8R2	8.2	81	68					1.00	1.50					1.60	1.90				
100	10	94	74	40	21.5	20.2	15.6	0.96	1.30	3.00	3.40	5.00	5.50	1.50	1.80	2.50	4.30	4.80	5.40
120		100	85					0.88	1.20					1.40	1.70				
150	15	130	92	50	25.9	23.7	18.4	0.80	1.10	2.40	2.80	4.20	4.70	1.30	1.60	2.20	3.90	4.40	5.00
180		160	100					0.76	1.00					1.10	1.50				
220	22	180	120	60	33.8	31.6	26.3	0.72	0.90	2.10	2.30	3.50	4.00	1.00	1.40	1.90	3.40	3.80	4.00
270		240	130					0.68	0.80					0.96	1.30				
330	33	260	150	82	42.5	40.6	39.5	0.64	0.75	1.60	1.90	2.80	3.20	0.88	1.20	1.70	3.10	3.40	3.40
390		300	160					0.60	0.70					0.80	1.10				
470	47	350	180	100	61.8	57.8	52.8	0.58	0.63	1.40	1.60	2.40	2.70	0.76	1.00	1.50	2.50	2.80	3.00
560		440	190					0.54	0.58					0.68	0.98				
680	68	540	230	140	83.2	78.7	77.8	0.52	0.54	1.20	1.30	2.00	2.00	0.64	0.94	1.30	2.20	1.90	2.40
820		590	280					0.46	0.50					0.58	0.90				
101	100	740	310	200	117	123	125	0.43	0.42	1.00	1.10	1.60	1.90	0.51	0.84	1.10	1.80		1.90
121		940	390					0.36	0.40					0.46	0.76				
151	150	1200	440	350	190		175	0.34	0.36	0.79	0.88		1.50	0.40	0.70	0.81	1.40	1.20	1.60
181		1400	600					0.32	0.30					0.38	0.62				
221	220	1900	700	470	270	273	258	0.28	0.28	0.65	0.72	1.00	1.30	0.32	0.56	0.7	1.20		1.30
271	270	2300	800					0.22	0.25					0.29	0.53				
331	330		1000	680	410				0.23	0.54	0.59				0.47	0.58	1.00		
391			1200						0.22						0.43				
471	470		1300	1030	520				0.20	0.47	0.49				0.4	0.47	0.88		
561			1600						0.18						0.38				
681	680		2000	1600	760				0.16	0.38	0.43				0.32	0.38	0.73		
821			2400						0.15						0.30				
102	1000		3000	2800	1120				0.14	0.32	0.34				0.28	0.29	0.60		
152	1500			3400	1730					0.22	0.29					0.26	0.48		

- I Tolerance of inductance: at 1.0uH-8.2uH ±30%(N), at 10uH-1500uH ±20%(M)
- I Tolerance of DCR: SD73; SD75 (Max.) SD104; SD125; SD126; SD127 (TYP.)
- I TESTING FREQUENCY OF INDUCTANCE: 1 kHz, 1.0V;
- I Isat: THE CURRENT WHEN THE INDUCTANCE DECREASES TO 10% OVER OF INITIAL VALUE. (Ta=25°C)
- I I_{rms}: THE CURRENT WHEN THE TEMPERATURE OF COIL IS INCREASED BY 40°C. (Ta=25°C)
- I THE RATED CURRENT INDICATED THE SMALLER ONE BETWEEN Isat AND I_{rms}.
- ※ Specifications other than the above will be furnished upon request.



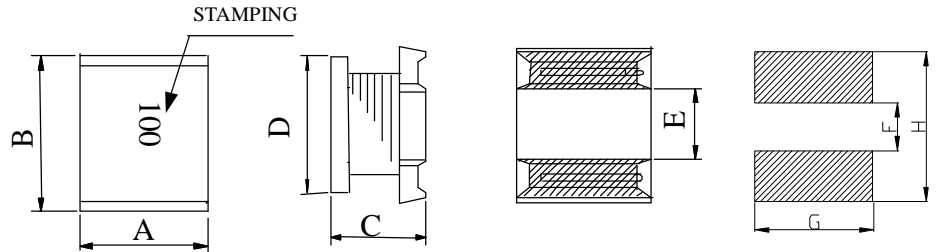
SMD POWER INDUCTORS

MODEL

FDA Series



CONSTRUCTION



FEATURES

- I Surface mounting type.
- I High mounting stability.
- I Large rated current and high inductance.
- I Use high performance ferrite core.
- I Density design, small size, low cost.
- I Low radiation.
- I Operating temperature -25°C to $+85^{\circ}\text{C}$

APPLICATION

- I Output choke coil for DC/DC converter etc.
- I Used in power supply of all kinds of small size electrical devices, such as switching power supplies, charger, PDA, LCD, various computer peripheral equipment etc.

DIMENSION (mm)

TYPE	A	B	C	D	E	F	G	H	Package (pcs/reel)
FDA31	1.6±0.2	3.2±0.3	1.8±0.2	2.3±0.2	0.7 Min	0.7	1.8	3.5	3500
FDA32	2.5±0.2	3.2±0.3	2.0±0.2	2.5±0.2	0.7 Min	0.7	2.8	3.5	3500
FDA43	3.2±0.2	4.5±0.3	2.6±0.2	3.6±0.2	1.0 Min	1.0	3.5	4.8	2500
FDA54	5.0±0.3	5.7±0.3	4.7±0.3	5.0±0.3	1.7 Min	1.7	5.3	6.0	1000

※ Specifications other than the above will be furnished upon request.



SMD POWER INDUCTORS

ELECTRICAL CHARACTERISTIC

TYPE: FDA31, FDA32, FDA43, FDA54.																	
PARTS No.	L (μH)	D.C.R.(Max.)				S.R.F (MHz)				Isat(A) Max.				Irms (A) Max.			
		FDA31	FDA32	FDA43	FDA54	FDA31	FDA32	FDA43	FDA54	FDA31	FDA32	FDA43	FDA54	FDA31	FDA32	FDA43	FDA54
R27	0.27		25				280				3.50				2.90		
R39	0.39				11				300				13.50				8.00
R68	0.68				14				220				12.00				6.25
R75	0.75		50				130				2.00			1.80			
1R0	1.0		60	50	16		120	100	175		1.70	4.50	10.00	1.80	2.00	6.06	
1R2	1.2				18				145				9.00				5.09
1R5	1.5		85	60			100	85			1.40	3.80		1.45	1.45		
1R8	1.8		90		27		90		125		1.30		7.40	1.45			4.56
2R2	2.2		110	70	30		70	60	97		1.20	3.30	6.70	1.30	1.30	4.30	
2R7	2.7		120		31		65		78		1.10		6.00	1.20			3.86
3R3	3.3		140	120	33		60	47	61		0.95	2.70	5.40	1.10	0.95	3.60	
3R9	3.9		180		41		55.0		47		0.90		4.90	1.00			3.01
4R7	4.7		200	140	44		50.0	35	43		0.80	2.20	4.40	0.88	0.90	2.95	
5R6	5.6		220		59		43.0		40		0.75		4.00	0.88			2.55
6R8	6.8		330	220	68		42.0	30	33		0.68	1.80	3.50	0.65	0.70	2.26	
8R2	8.2		350		76		40.0		28		0.63		3.20	0.65			2.10
100	10		500	280	100		35.0	23	25		0.53	1.40	3.00	0.50	0.70	1.74	
120	12				115				22				2.70				1.60
150	15		650	360	154		30.0	20	19		0.46	1.20	2.40	0.46	0.50	1.41	
180	18		700		171		25.0		17		0.42		2.30	0.44			1.34
220	22		1000	600	233		22.0	15	16		0.38	1.00	2.10	0.40	0.47	1.20	
270	27		1100	750	274		20.0	13.5	14		0.34	0.90	1.80	0.38			1.17
330	33		1550	1000	310		18.0	12	13		0.30	0.80	1.70	0.32	0.36	1.09	
390	39		1750		397		17.0		12		0.29		1.54	0.30			0.91
470	47		2400	1300	445		14.0	10	10		0.25	0.70	1.42	0.24	0.34	0.89	
560	56		2500	1900	500		13.0	9.0	9		0.24	0.60	1.28	0.23	0.30	0.85	
680	68		3100	2200	562		12.0	8.4	7.6		0.22	0.55	1.14	0.22	0.24	0.80	
820	82		3500		628		11.0		6.7		0.16		1.04	0.22			0.78
101	100		5000	2800	832		11.0	6.8	6.5		0.15	0.45	0.93	0.15	0.20	0.67	
121	120		5500	3500	925		9.0	6.2	5.7		0.13	0.40	0.87	0.14	0.18	0.59	
151	150		6500	4300	1100		8.0	5.5	5.3		0.12	0.35	0.78	0.14	0.18	0.55	
181	180		9000	5000	1630		7.0	5.0	5.1		0.11	0.33	0.71	0.11	0.16	0.50	
221	220		10000	7000	1800		6.0	4.5	4.8		0.11	0.30	0.65	0.11	0.14	0.40	
271	270				2570				3.5				0.58				0.36
331	330			9000	2890			3.6	3.1			0.22	0.50		0.13	0.34	
391	390				3140				3				0.48				0.31
471	470			13000	3590			3	2.9			0.20	0.42		0.10	0.30	
561	560			15000	4880			2.8	2.7			0.19	0.40		0.10	0.27	
681	680			16000	5500			2.5	2.6			0.18	0.37		0.09	0.26	
821	820			18500	9320			2.2	2			0.17	0.32		0.09	0.20	
102	1000			24000	10480			2	1.8			0.15	0.29		0.08	0.20	

*FDA31-----NEW DEVELOPMENT

Tolerance of inductance: 0.39uH~8.2uH ±20%(M); 10.0uH~1000.0uH± 10%(K).

TESTING FREQUENCY OF INDUCTANCE: at 0.39uH~82uH@1MHz, 1.0V; 100uH~1000uH@1KHz, 1.0V.

Isat: THE CURRENT WHEN THE INDUCTANCE DECREASES TO 10% OF INITIAL VALUE. (Ta=25°C)

Irms: THE CURRENT WHEN THE TEMPERATURE OF COIL IS INCREASED BY 40°C. (Ta=25°C)

THE RATED CURRENT INDICATED THE SMALLER ONE BETWEEN Isat AND Irms.

※ Specifications other than the above will be furnished upon request.

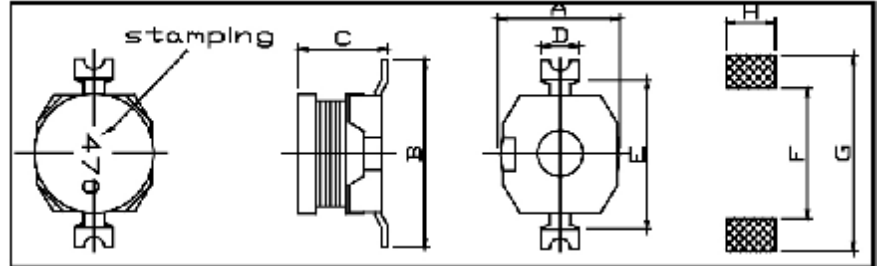


SMD POWER INDUCTORS

MODEL

FD Series

CONSTRUCTION



FEATURES

- I Miniature, low profiles DC choke.
- I Suitable for reflow soldering.
- I Supplied on tape and reel for auto assembly.
- I Operating temperature -25°C to $+85^{\circ}\text{C}$

APPLICATION

- I Output choke coil for DC/DC converter etc.
- I Used in power supply of all kinds of small size electrical devices, such as switching power supplies, charger, various computer peripheral equipment etc.

DIMENSION (mm)

TYPE	A	B	C	D	E	F	G	H	Package (pcs/reel)
FD42	4.2 Max.	6.5 Max.	3.5 Max.	1.3	5.0	4.5	7.0	2.0	2000

ELECTRICAL CHARACTERISTIC

PART NO	L (uH)	D.C.R. (mΩ) Max.	I.D.C. (A) Max.
1R0	1.0	25	4.40
1R5	1.5	35	3.40
2R2	2.2	45	2.80
3R3	3.3	60	2.40
4R7	4.7	90	2.00
6R8	6.8	125	1.65
100	10.0	180	1.30
120	12.0	210	1.20
150	15.0	300	1.10
180	18.0	340	1.00
220	22.0	400	0.907
270	27.0	500	0.80
330	33.0	650	0.70
390	39.0	750	0.65
470	47.0	840	0.60
560	56.0	950	0.55
680	68.0	1100	0.50
820	82.0	1350	0.45
101	100.0	1550	0.40
121	120.0	1750	0.38
151	150.0	2400	0.35
181	180.0	3300	0.30
221	220.0	3900	0.27
271	270.0	4800	0.25

- I Tolerance of inductance: $\pm 20\%$ (M).
- I TESTING FREQUENCY OF INDUCTANCE: 100KHz, 1.0V.
- I Isat: THE CURRENT WHEN THE INDUCTANCE DECREASES TO 90% OVER OF INITIAL VALUE. ($T_a=25^{\circ}\text{C}$)
- I Irms: THE CURRENT WHEN THE TEMPERATURE OF COIL IS INCREASED BY 40°C . ($T_a=25^{\circ}\text{C}$)
- I THE RATED CURRENT INDICATED THE SMALLER ONE BETWEEN Isat AND Irms.

※ Specifications other than the above will be furnished upon request.



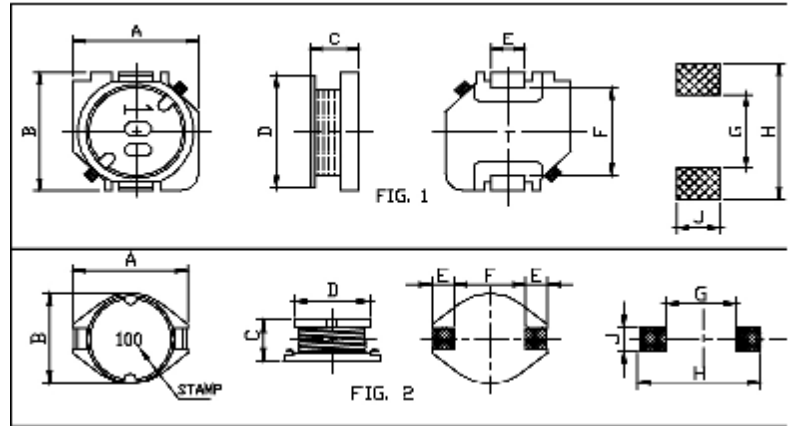
SMD POWER INDUCTORS

MODEL

DBS Series



CONSTRUCTION



FEATURES

- I Surface mounting type.
- I Low profile
- I Large rated current and high inductance.
- I Density design, small size, low cost.
- I Low radiation
- I Operating temperature -25°C to $+85^{\circ}\text{C}$

APPLICATION

- I Output choke coil for DC/DC converter etc.
- I Used in power supply of all kinds of small size electrical devices, such as switching power supplies, charger, various computer peripheral equipment etc.

DIMENSION (mm)

TYPE	A	B	C	D	E	F	G	H	J	FIG	Package (pcs/reel)
DBS73	7.3±0.3	7.3±0.3	3.5 Max	5.4	2.0	5.4	4.4	8.4	3.0	1	1500
DBS75	7.3±0.3	7.3±0.3	5.1 Max	5.4	2.0	5.4	4.4	8.4	3.0	1	1000
DBS133	12.8±0.3	9.3±0.2	3.0 Max	8.4	2.5	7.6	7.4	13.4	3.0	2	1500
DBS135	12.8±0.3	9.3±0.2	5.4 Max	8.4	2.5	7.6	7.4	13.4	3.0	2	750
DBS1312	12.8±0.3	9.3±0.2	11.2 Max	8.4	2.5	7.6	7.4	13.4	3.0	2	250
DBS187C	18.54 Max	14.5 Max	7.3 Max	12.9	2.5	13.1	12.7	18.7	3.0	2	400

※ Specifications other than the above will be furnished upon request.



SMD POWER INDUCTORS

ELECTRICAL CHARACTERISTIC

TYPE: DBS73, DBS75, DBS133, DBS135, DBS1312, DBS187																			
PARTS No.	L (μH)	D.C.R. (mΩ) Max.						Isat (A) Max.						Irms (A) Max.					
		DBS73	DBS75	DBS133	DBS135	DBS1312	DBS187	DBS73	DBS75	DBS133	DBS135	DBS1312	DBS187C	DBS73	DBS75	DBS133	DBS135	DBS1312	DBS187C
R82	0.82						7						25.00						10.20
1R0	1.0	22	23		9			2.88	2.88		9.90						7.20		
1R3	1.3						8						22.00						8.30
1R5	1.5	26	28		10			2.67	2.56		9.60						7.00		
2R2	2.2	32	32		12		11	2.40	2.36		8.10			21.00			6.40		8.20
2R7	2.7				14		12				7.30		20.00				5.90		7.60
3R3	3.3	41	38		15		14	2.08	2.16		6.60			19.00			5.40		6.70
3R9	3.9				17		16				5.80			18.00			5.10		6.00
4R7	4.7	49	49		18			1.92	1.88		5.40						4.80		
5R2	5.2						20						16.00						5.80
5R6	5.6				23						5.00						4.60		
6R8	6.8	67	60		27		22	1.60	1.68		4.60			14.50			4.40		5.00
8R2	8.2				32		25				4.20			13.00			4.10		4.70
100	10	85	70	110	38	40	31	1.41	1.56	2.40	3.80	8.00	12.00			2.00	3.90	3.50	4.50
120	12	100	80		42		32.5	1.28	1.44		3.50		10.00				3.50		4.10
150	15	130	90	150	46	50	36	1.12	1.36	2.00	3.00	7.00	9.00			1.50	3.10	3.00	3.90
180	18	160	100		64		41	1.00	1.28		2.80						2.90		3.70
220	22	180	120	230	85	66	47	0.93	1.17	1.60	2.60	5.50	7.50			1.30	2.70	2.50	3.20
270	27	240	140		95		58	0.80	1.07		2.20		7.00				2.30		2.90
330	33	290	160	300	100	80	66	0.72	1.00	1.40	2.10	4.00	6.00			1.10	2.10	2.00	2.80
390	39	340	190		120		82	0.66	0.91		1.90		5.50				1.90		2.50
470	47	410	220	390	140	110	86	0.59	0.84	1.00	1.70	3.80	5.00			0.80	1.80	1.60	2.20
560	56	480	290		170		126	0.55	0.72		1.50		4.50				1.60		1.90
680	68	600	340	660	200	170	130	0.49	0.66	0.90	1.40	3.00	4.00			0.70	1.50	1.20	1.80
820	82	710	460		250		175	0.44	0.58		1.30		3.50				1.40		1.55
101	100	950	550	840	280	220	190	0.38	0.51	0.70	1.20	2.50	3.00			0.60	1.30	1.20	1.50
121	120		670		360		220		0.42		1.10		2.80				1.10		1.35
151	150		900	1200	400	340	280		0.37	0.60	1.00	2.00	2.60			0.50	1.00	0.90	1.20
181	180		1050		500		320		0.35		0.87		2.40				0.90		1.10
221	220		1350	1900	610	440	380		0.29	0.50	0.80	1.60	2.20			0.40	0.80	0.70	0.95
271	270		1550		750		510		0.28		0.71		2.00				0.70		0.80
331	330		2050	2700	950	700	580		0.23	0.40	0.66	1.20	1.80			0.30	0.60	0.60	0.75
391	390		2300		1090		760		0.21		0.58		1.60				0.55		0.65
471	470		2600	4000	1270	950	850		0.19	0.30	0.53	1.00	1.40			0.20	0.50	0.30	0.60
561	560				1570		1000				0.49		1.30				0.45		0.55
681	680			5300	2020	1500	1200			0.20	0.45	1.00	1.20			0.10	0.40	0.20	0.50
821	820				2350		1500				0.41		1.10				0.32		0.45
102	1000			1000	3000	2000	1700			0.10	0.36	0.80	1.00			0.05	0.30	0.10	0.40

Tolerance of inductance: K= ±10%; M= ±20%.

TESTING FREQUENCY OF INDUCTANCE: AT 100KHz, 0.1V

Isat: THE CURRENT WHEN THE INDUCTANCE DECREASES TO 90% OVER OF INITIAL VALUE. (Ta=25°C)

Irms: THE CURRENT WHEN THE TEMPERATURE OF COIL IS INCREASED BY 40°C. (Ta=25°C)

THE RATED CURRENT INDICATED THE SMALLER ONE BETWEEN Isat AND Irms.

※ Specifications other than the above will be furnished upon request.

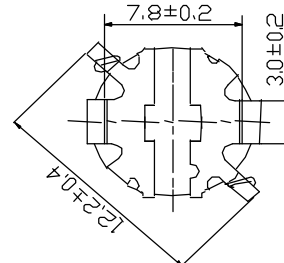
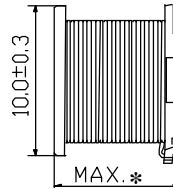
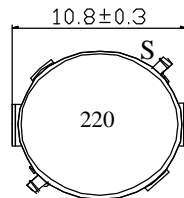


SMD POWER INDUCTORS

MODEL DH Series



CONSTRUCTION



FEATURES

- I Miniature, low profile DC choke.
- I Suitable for reflow soldering.
- I Supplied on tape and reel for auto assembly.
- I Operating temperature -25°C to +85°C

- * MAX. 5.0 DH104
- * MAX. 6.0 DH105
- * MAX. 7.0 DH106
- * MAX. 8.0 DH107

APPLICATION

- I Output choke coil for DC/DC converter etc.
- I Used in power supply of all kinds of small size electrical devices, such as switching power supplies, charger, various computer peripheral equipment etc.

ELECTRICAL CHARACTERISTIC

PART NO	L (uH)	D.C.R. (mΩ) Max.	I.D.C. (A) Max.
100	10.0	28	3.00
120	12.0	33	2.80
150	15.0	39	2.50
180	18.0	49	2.25
220	22.0	60	2.10
270	27.0	70	1.84
330	33.0	82	1.68
390	39.0	110	1.52
470	47.0	130	1.36
560	56.0	140	1.28
680	68.0	160	1.20
820	82.0	210	1.04
101	100.0	260	0.96
121	120.0	290	0.88
151	150.0	400	0.76
181	180.0	450	0.72
221	220.0	530	0.66
271	270.0	730	0.59
331	330.0	840	0.53
391	390.0	1100	0.48
471	470.0	1240	0.45

- I Tolerance of inductance: K= ±10%; M= ±20%.
- I TESTING FREQUENCY OF INDUCTANCE: 100KHz, 1.0V.
- I Isat: THE CURRENT WHEN THE INDUCTANCE DECREASES TO 90% OVER OF INITIAL VALUE. (Ta=25°C)
- I Irms: THE CURRENT WHEN THE TEMPERATURE OF COIL IS INCREASED BY 40°C. (Ta=25°C)
- I THE RATED CURRENT INDICATED THE SMALLER ONE BETWEEN Isat AND Irms.
- I Specifications other than the above will be furnished upon request.



SMD POWER INDUCTORS

MODEL

CONSTRUCTION

DRH



Series

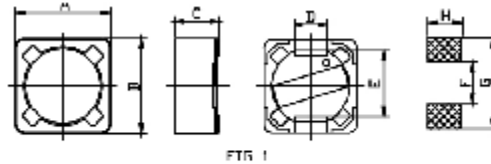


FIG 1

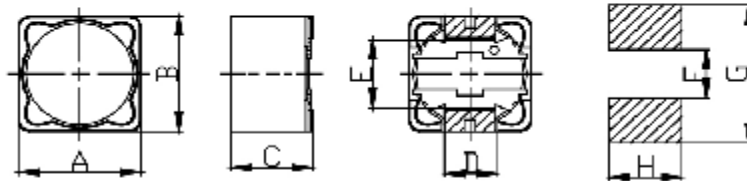


FIG 2

FEATURES

- I With magnetic shield against radiation.
- I Large terminal surface for good PCB mounting.
- I High current capacity.
- I Low core loss for high frequency power application.
- I Operating temperature -25°C to +85°C

APPLICATION

- I Output choke coil for DC/DC converter etc.
- I Used in power supply of all kinds of small size electrical devices, such as switching power supplies, charger, various computer peripheral equipment etc.

DIMENSION (mm)

TYPE	A	B	C	D	E	F	G	H	Package (pcs/reel)	FIG
DRH73	7.3±0.2	7.3±0.2	3.5 Max	1.8	5.0	4.8	7.8	2.2	1500	1
DRH74	7.3±0.2	7.3±0.2	4.5 Max	1.8	5.0	4.8	7.8	2.2	1000	1
DRH124	12.0±0.3	12.0±0.3	5.0 Max	5.0	7.6	7.0	12.6	5.4	500	2
DRH125	12.0±0.3	12.0±0.3	6.0 Max	5.0	7.6	7.0	12.6	5.4	500	2
DRH127	12.0±0.3	12.0±0.3	8.0 Max	5.0	7.6	7.0	12.6	5.4	500	2

※ Specifications other than the above will be furnished upon request.



SMD POWER INDUCTORS

ELECTRICAL CHARACTERISTIC

TYPE: DRH73, DRH74, DRH124, DRH125, DRH127.																
PARTS No.	L(μH)	D.C.R.(Max.)					Isat (Max.)					Irms (Max.)				
		DRH73	DRH74	DRH124	DRH125	DRH127	DRH73	DRH74	DRH124	DRH125	DRH127	DRH73	DRH74	DRH124	DRH125	DRH127
1R2	1.2					6.5					19.74					10.58
2R7	2.7					10.5					12.89					8.09
3R9	3.9			13.7		12.5			8.26		11.02			6.68		7.42
5R2	5.2			15.5					7.19					6.03		
5R6	5.6					14.5					9.62					6.88
6R8	6.8			19.9		16.5			6.37		8.55			5.53		6.45
8R0	8.0					18.5					7.70					6.08
8R2	8.2			24.4					5.72					5.00		
100	10	72	70	32.4	27.0	20.5	1.84	2.10	5.19	4.50	7.01	2.11	1.90	4.50	4.20	5.74
120	12	98	75	35.6	28.0	22.5	1.60	1.82	4.75	4.30	6.43	1.70	1.80	4.00	3.60	5.46
150	15	120	85	43.9	32.0	25.0	1.52	1.75	4.38	3.90	5.94	1.50	1.72	3.50	3.50	5.20
180	18	130	100	52.1	35.0	29.5	1.40	1.61	3.79	3.60	5.17	1.46	1.67	3.18	3.20	4.76
220	22	170	120	65.7	44.0	39.5	1.28	1.40	3.34	3.20	4.86	1.23	1.50	3.11	2.90	4.07
270	27	190	140	70.3	51.0	43.0	1.16	1.26	3.16	2.90	4.58	1.22	1.32	2.75	2.70	3.90
330	33	220	170	90.5	57.0	61.0	1.04	1.05	2.84	2.50	4.11	1.20	1.21	2.60	2.50	3.25
390	39	280	200	123.9	68.0	68.5	0.96	0.98	2.59	2.20	3.73	0.98	1.06	1.96	2.20	3.06
470	47	320	240	132.3	75.0	76.5	0.88	0.84	2.37	2.20	3.42	0.92	1.00	1.91	2.00	2.89
560	56	360	270	168.9	91.0	108.0	0.80	0.78	2.19	2.10	3.15	0.88	0.98	1.73	1.90	2.42
680	68	470	350	181.9	140.0	134.0	0.74	0.75	2.04	1.80	2.82	0.81	0.84	1.58	1.60	2.11
820	82	650	420	214.8	150.0	146.0	0.65	0.66	1.79	1.70	2.65	0.61	0.78	1.52	1.50	2.02
101	100	720	470	266.3	160.0	209.0	0.60	0.63	1.63	1.40	2.34	0.60	0.70	1.36	1.45	1.67
121	120	820	640	330.6	180.0	231.0	0.55	0.56	1.51	1.40	2.17	0.55	0.64	1.19	1.30	1.58
151	150	1160	730	468.9	240.0	259.0	0.48	0.50	1.33	1.20	1.96	0.46	0.55	1.01	1.05	1.49
181	180	1200	980	524.9	290.0	333.0	0.45	0.45	1.22	1.10	1.80	0.43	0.50	0.95	1.00	1.30
221	220	1370	1130	602.6	350.0	375.0	0.41	0.41	1.13	1.00	1.62	0.41	0.48	0.85	0.95	1.23
271	270	2000	1380	823.9	430.0	532.0	0.37	0.37	1.05	0.90	1.48	0.40	0.44	0.74	0.90	1.02
331	330	2270	1650	932.1	510.0	597.0	0.33	0.34	0.95	0.85	1.34	0.34	0.39	0.69	0.80	0.96
391	390	2590	1830		620.0	653.0	0.31	0.31		0.80	1.25	0.31	0.37		0.70	0.92
471	470	3390	2050		700.0	911.0	0.27	0.29		0.73	1.14	0.28	0.33		0.65	0.77
561	560	3780	2570		860.0	994.0	0.25	0.25		0.60	1.05	0.25	0.29		0.58	0.73
681	680	5120	3000		1050.0	1370.0	0.22	0.23		0.55	0.96	0.22	0.27		0.55	0.61
821	820	5760	3750		1340.0	1530.0	0.21	0.21		0.53	0.87	0.20	0.26		0.47	0.57
102	1000	8200	4250		1530.0	1700.0	0.18	0.20		0.45	0.80	0.18	0.23		0.42	0.54

TESTING FREQUENCY OF INDUCTANCE: 1 kHz, 1.0V

Tolerance of inductance: 1.0uH~8.2uH ±30%(N); 10.0uH~1000.0uH± 20%(M).

RATED CURRENT: THE VALUE OF DIRECT CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN IT'S INITIAL VALUE AT D.C. SUPERPOSITION OR WHEN COIL TEMPERATURE RISE $\Delta T=40^{\circ}\text{C}$, WHICHEVER IS SMALLER. ($T_a=20^{\circ}\text{C}$).

※ Specifications other than the above will be furnished upon request.



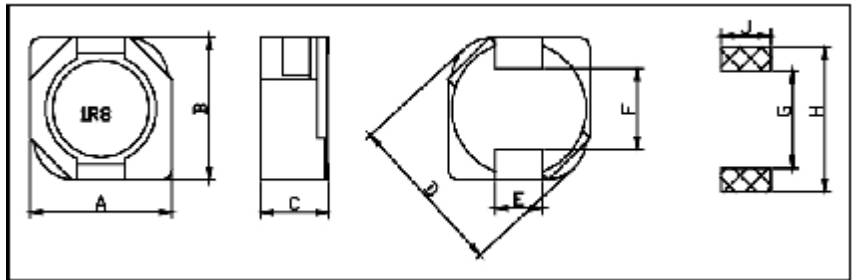
SMD POWER INDUCTORS

MODEL

DRH-R Series



CONSTRUCTION



FEATURES

- I Magnetically shielded.
- I Surface mounting type.
- I Low profile.
- I Large rated current and high inductance.
- I Density design, small size, low cost.
- I Low radiation.
- I Operating temperature -25°C to $+85^{\circ}\text{C}$

APPLICATION

- I Output choke coil for DC/DC converter etc.
- I Used in power supply of all kinds of small size electrical devices, such as switching power supplies, charger, various computer peripheral equipment etc.

DIMENSION (mm)

TYPE	A	B	C	D	E	F	G	H	J	Package (pcs/reel)
DRH5D28R	5.9 ± 0.3	6.0 ± 0.3	2.8 ± 0.2	8.2 Max	2.0	4.1	4.0	7.0	2.1	2200
DRH104R	10.0 ± 0.3	10.2 ± 0.3	3.8 ± 0.3	13.5 Max	3.0	7.7	7.3	10.7	3.6	880

※ Specifications other than the above will be furnished upon request.



SMD POWER INDUCTORS

ELECTRICAL CHARACTERISTIC

TYPE: DRH5D28R, DRH104R							
PARTS No.	L (μH)	D.C.R. (mΩ) Max.		Isat (A) Max.		I _{rms} (A) Max.	
		DRH5D28R	DRH104R	DRH5D28R	DRH104R	DRH5D28R	DRH104R
1R5	1.5		7.1		9.82		8.02
1R8	1.8	14.9		3.09		5.73	
2R2	2.2		9.4		8.38		7.67
2R7	2.7	17.4		2.62		5.34	
3R3	3.3	19.4	11.8	2.24	8.10	4.37	7.01
3R9	3.9	26.7		2.20		3.61	
4R7	4.7	30.0	17.4	2.03	5.90	3.56	4.86
5R6	5.6	40.0		1.86		2.63	
6R8	6.8		22.5		5.06		4.32
8R2	8.2	49.3	22.9	1.53	4.85	2.46	3.98
100	10	52.0	33.4	1.42	4.50	2.15	3.27
120	12	66.9	41.7	1.22	3.85	1.87	2.92
150	15	78.2	46.2	1.10	3.66	1.86	2.68
180	18	97.5	62.9	1.05	3.30	1.51	2.11
220	22	110	69.4	0.95	3.03	1.25	2.16
270	27	140	79.8	0.85	2.50	1.16	2.04
330	33	154	86.5	0.76	2.42	1.12	1.99
390	39	176	119	0.68	2.18	0.96	1.64
470	47	197	126	0.62	2.01	0.92	1.57
560	56	258	155	0.55	1.87	0.76	1.35
680	68	308	172	0.52	1.67	0.68	1.24
820	82	403	197	0.45	1.50	0.56	1.13
101	100	465	269	0.41	1.36	0.51	0.95
121	120	641	302	0.37	1.32	0.43	0.91
151	150	737	442	0.34	1.12	0.39	0.71
181	180	839	486	0.30	1.06	0.39	0.65
221	220	1110	646	0.28	0.92	0.33	0.59
271	270	1164	724	0.24	0.85	0.33	0.56
331	330	1364	1009	0.22	0.78	0.32	0.46
391	390	1983	1078	0.21	0.67	0.27	0.45
471	470	2116	1198	0.20	0.65	0.25	0.42
561	560	2447	1595	0.18	0.65	0.21	0.34
681	680		1738		0.58		0.34
821	820		2662		0.54		0.28
102	1000		2959		0.48		0.27

I Tolerance of inductance: DRH5D28R: ±30%(N), DRH104R: 1.5uH~8.2uH: ±30%(N); 10uH~1000uH:±20%(M).

I TESTING FREQUENCY OF INDUCTANCE: at 100KHz, 1.0V

I Isat: THE CURRENT WHEN THE INDUCTANCE DECREASES TO 65% OVER OF INITIAL VALUE. (Ta=25°C)

I I_{rms}: THE CURRENT WHEN THE TEMPERATURE OF COIL IS INCREASED BY 30°C(DRH104R); 40°C(DRH5D28R). (Ta=25°C)

I THE RATED CURRENT INDICATED THE SMALLER ONE BETWEEN Isat AND I_{rms}.

※ Specifications other than the above will be furnished upon request.

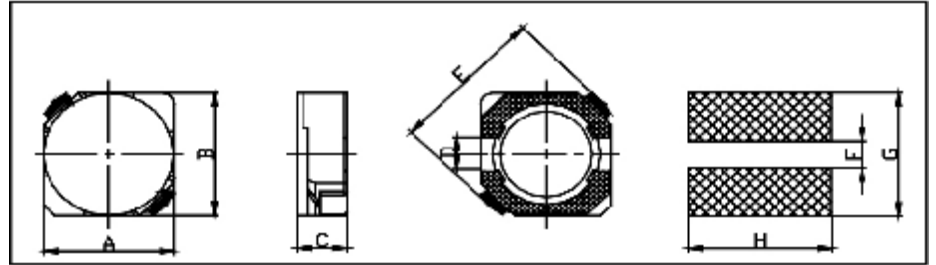


SMD POWER INDUCTORS

MODEL

DRH-D Series

CONSTRUCTION



FEATURES

- I With magnetic shield against radiation.
- I Large terminal surface for good PCB mounting.
- I High current capacity.
- I Low core loss for high frequency power application.
- I Operating temperature -25°C to +85°C.

APPLICATION

- I Output choke coil for DC/DC converter etc.
- I Used in power supply of all kinds of small size electrical devices, such as switching power supplies, charger, various computer peripheral equipment etc.

DIMENSION (mm)

TYPE	A	B	C	D	E	F	G	H	Package (pcs/reel)
DRH4D18	5.0 Max	5.0 Max	2.0 Max	1.5	6.9 Max	1.5	5.3	5.3	3400
DRH4D28	5.0 Max	5.0 Max	3.0 Max	1.5	6.9 Max	1.5	5.3	5.3	2200
DRH5D18	6.0 Max	6.0 Max	2.0 Max	2.0	8.2 Max	2.0	6.3	6.3	3400
DRH5D28	6.0 Max	6.0 Max	3.0 Max	2.0	8.2 Max	2.0	6.3	6.3	2200
DRH6D28	7.0 Max	7.0 Max	3.0 Max	2.0	9.5 Max	2.0	7.3	7.3	1100
DRH6D38	7.0 Max	7.0 Max	4.0 Max	2.0	9.5 Max	2.0	7.3	7.3	1100

※ Specifications other than the above will be furnished upon request.



SMD POWER INDUCTORS

ELECTRICAL CHARACTERISTIC

TYPE: DRH4D18, DRH4D28, DRH5D18, DRH5D28, DRH6D28, DRH6D38.

PARTS No.	L(μH)	D.C.R.(Max.) (mΩ)						(A)												
								Isat (Max.)						Irms (Typ.)						
		DRH4D18	DRH4D28	DRH5D18	DRH5D28	DRH6D28	DRH6D38	DRH4D18	DRH4D28	DRH5D18	DRH5D28	DRH6D28	DRH6D38	DRH4D18	DRH4D28	DRH5D18	DRH5D28	DRH6D28	DRH6D38	
1R0	1.0	35						2.46							2.34					
1R2	1.2		17.0						3.52							3.63				
1R8	1.8	45	19.8					1.92	2.87					2.29	3.13					
2R2	2.2	52	23.1					1.56	2.72					1.87	3.08					
2R7	2.7		26.3		19.7				2.56		2.77				3.00		3.68			
3R3	3.3	70			23.2	24	19	1.44			2.45	3.00	3.50	1.53			3.40	4.11	3.90	
3R6	3.6	79	35.6	40.4		27		1.40	2.39	1.97		2.60		1.38	2.42	2.20		3.72		
4R4	4.4		40.3	53.4	26.1				1.99	1.85	2.20				2.24	2.12	2.94			
4R7	4.7	117						1.24						1.13						
5R1	5.1		44.2		30.2	31	23		1.80		2.00	2.40	2.90		2.14		2.92	3.85	3.30	
5R6	5.6	130		69.1				1.12		1.61				1.12		1.88				
6R4	6.4	134	59.7	76.7	40.9	35	26	1.06	1.56	1.46	1.80	2.25	2.50	1.02	1.86	1.82	2.38	3.46	3.20	
7R2	7.2	142	64.9			54	30	0.99	1.46			2.10	2.30	1.01	1.81			2.69	3.10	
8R2	8.2		87.9	101.0	48.8	58	33		1.40	1.33	1.55	1.85	2.20		1.43	1.50	2.06	2.43	3.00	
9R5	9.5	192						0.91						0.95						
100	10	174	94.1	118	58.5	65	36	0.82	1.35	1.20	1.30	1.70	2.00	0.95	1.38	1.39	1.90	2.31	3.00	
120	12	183	108	129	68.9	70	51	0.79	1.15	1.10	1.20	1.55	1.70	0.80	1.32	1.31	1.61	2.04	2.60	
150	15	210	118	150	87.9	84	55	0.67	1.02	0.97	1.12	1.40	1.60	0.68	1.25	1.12	1.43	2.01	2.40	
180	18	294	127	186	93.0	95	88	0.62	0.95	0.89	1.00	1.26	1.50	0.67	1.16	1.09	1.39	1.70	1.70	
220	22	346	205	228	105	128	92	0.59	0.87	0.80	0.91	1.20	1.30	0.63	0.89	0.90	1.24	1.50	1.70	
270	27	396	234	281	152	142	105	0.55	0.79	0.75	0.85	1.05	1.20	0.61	0.86	0.83	1.01	1.44	1.60	
330	33	565	286	327	167	165	120	0.48	0.68	0.65	0.75	0.97	1.10	0.54	0.79	0.79	0.98	1.47	1.40	
390	39	614	309	454	184	210	133	0.42	0.65	0.57	0.70	0.86	1.00	0.46	0.74	0.64	0.98	1.24	1.40	
470	47	798	400	515	200	238	150	0.40	0.59	0.55	0.62	0.80	0.95	0.41	0.66	0.60	0.87	1.12	1.30	
560	56	912	430	577	263	277	195	0.36	0.54	0.50	0.58	0.73	0.85	0.41	0.62	0.55	0.72	1.10	1.20	
680	68	1153	611	664	298	304	225	0.33	0.49	0.46	0.52	0.65	0.75	0.31	0.50	0.54	0.66	0.98	1.10	
820	82	1329	677	900	389	390	312	0.31	0.46	0.41	0.46	0.60	0.70	0.31	0.50	0.45	0.61	0.82	0.90	
101	100	1514	743	967	437	535	345	0.29	0.42	0.36	0.42	0.54	0.65	0.28	0.50	0.44	0.60	0.70	0.90	
121	120	1983	1040	1124	604			0.28	0.37	0.35	0.37			0.25	0.38	0.43	0.49			
151	150	2292	1150		682			0.21	0.32		0.33			0.25	0.36		0.49			
181	180	3200	1302		779			0.21	0.30		0.30			0.19	0.35		0.47			
221	220				1166						0.28						0.37			
271	270				1172						0.25						0.35			
331	330				1669						0.22						0.28			
391	390				1852						0.20						0.27			
471	470				2076						0.19						0.27			
561	560				2337						0.17						0.24			

- I Tolerance of inductance: ±30%(N).
- I TESTING FREQUENCY OF INDUCTANCE: 10 kHz, 1.0V; DRH4D18; DRH4D28 AT 100kHz, 1.0V
- I Isat: THE CURRENT WHEN THE INDUCTANCE DECREASES TO 65% OVER OF INITIAL VALUE. (Ta=25°C)
- I Irms: THE CURRENT WHEN THE TEMPERATURE OF COIL IS INCREASED BY 30°C. (Ta=25°C)
- I THE RATED CURRENT INDICATED THE SMALLER ONE BETWEEN Isat AND Irms.
- ※ Specifications other than the above will be furnished upon request.



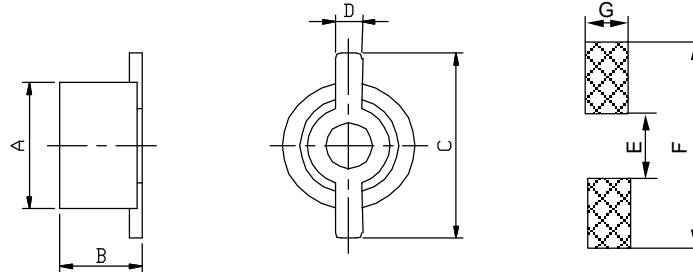
SMD POWER INDUCTORS

MODEL

SP52 Series



CONSTRUCTION



FEATURES

- I Low radiation DC choke.
- I Suitable for reflow soldering.
- I Supplied on tape and reel for auto assembly.
- I High inductance voltage.
- I Operating temperature -25°C to $+85^{\circ}\text{C}$

APPLICATION

- I Step-up coil for buzzer and DC/DC circuit, such as watches, toys, digital camera ,PDA.

DIMENSION (mm)

TYPE	A	B	C	D	E	F	G	Package (pcs/reel)
SP52	4.5 ± 0.3	2.8 Max	6.6 ± 0.3	0.9 ± 0.1	3.0	7.0	1.2	2500

ELECTRICAL CHARACTERISTIC

PART NO.	L (Uh)	D.C.R. (Ω) Max.
471	470	3.20
561	560	3.40
681	680	4.00
821	820	4.50
102	1000	5.00
122	1200	5.70
152	1500	9.20
182	1800	10.00
222	2200	11.00
272	2700	14.00
332	3300	16.00
392	3900	22.00
472	4700	26.00
562	5600	27.00
682	6800	35.00
822	8200	37.00
103	10000	63.00
123	12000	75.00
153	15000	83.00
183	18000	97.00
23	22000	110.00

- I Tolerance of inductance: $\pm 30\%$ (N).
- I TESTING FREQUENCY OF INDUCTANCE: 1KHz, 1.0V.
- ※ Specifications other than the above will be furnished upon request.



SMD POWER INDUCTORS

MODEL

DRH-B Series



RDBS62 Series



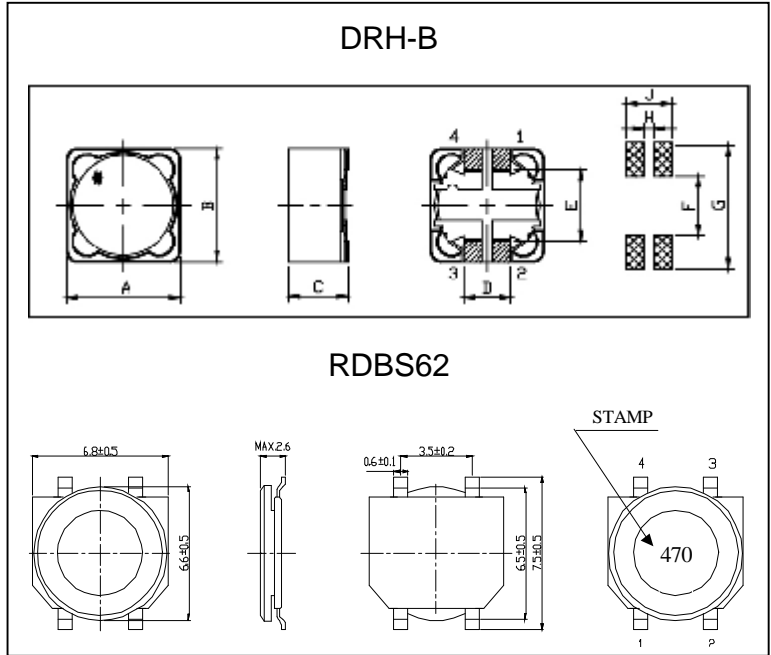
CONSTRUCTION

FEATURES

- I Magnetically shielded.
- I Surface mounting type.
- I Low profile.
- I Large rated current and high inductance.
- I Density design, small size, low cost.
- I Low radiation
- I Operating temperature -25°C to +85°C

APPLICATION

- I Choke coil for DC/DC converter filter etc.
- I Converter inductor for set-up and set-down DC power.



DIMENSION (mm)

TYPE	A	B	C	D	E	F	G	H	J	Package (pcs/reel)
DRH124B	12.0±0.3	12.0±0.3	5.0 Max	5.0	7.6	7.0	12.8	1.0	5.4	500
DRH125B	12.0±0.3	12.0±0.3	6.0 Max	5.0	7.6	7.0	12.8	1.0	5.4	500
DRH126B	12.0±0.3	12.0±0.3	7.0 Max	5.0	7.6	7.0	12.8	1.0	5.4	500
DRH127B	12.0±0.3	12.0±0.3	8.0 Max	5.0	7.6	7.0	12.8	1.0	5.4	500

- I Electrical specification is customer offer require.
- I RDBS 62 Series Packing: tape and reel :1500pcs

※ Specifications other than the above will be furnished upon request.