



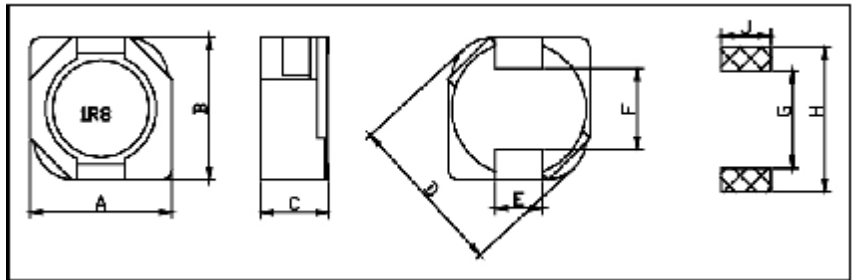
SMD POWER INDUCTORS

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}.

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