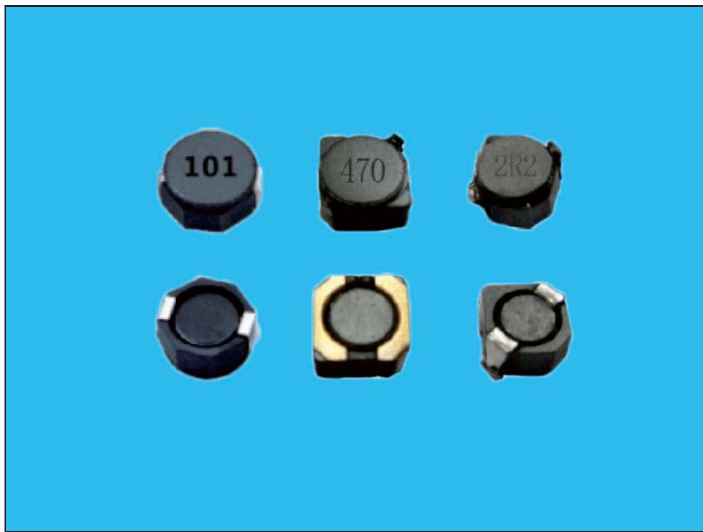


Shielded Power Inductor



Description

- Various high power inductors are superior to be high saturation for surface mounting.
- DRH-D series are widely used in TVR,OA equipment, Digital cameral,LCD television set notebook PC, portable communication equipment,DC/DC converters,etc.

Part Number Code

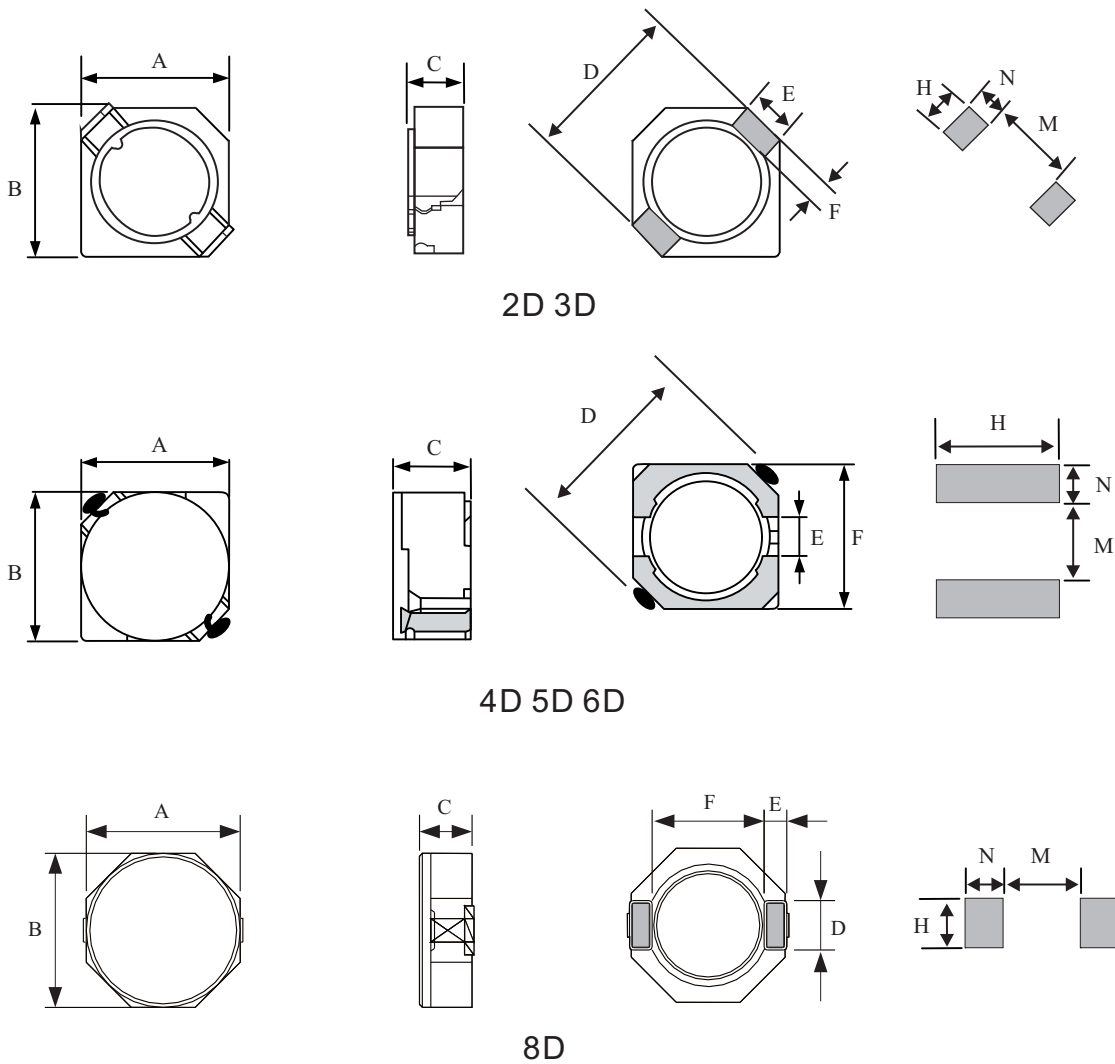
DRH2D09-1R2N

Inductance

Dimensions

Series Name

Dimensions and Footprint (Unit:mm)



Dimensions and Footprint (Unit:mm)

Type	A(Max)	B(Max)	C(Max.)	D(Max.)	E(Ref.)	F	H	I	J
DRH2D09	3.2	3.2	1.0	4.3	1.0	0.7	1.3	1.3	1.7
DRH2D11	3.2	3.2	1.2	4.3	1.0	0.7	1.3	1.3	1.7
DRH2D14	3.2	3.2	1.6	4.3	1.0	0.7	1.3	1.3	1.7
DRH2D18	3.2	3.2	2.0	4.3	1.0	0.7	1.3	1.3	1.7
DRH3D11	4.0	4.0	1.2	5.2	1.0	-	1.3	1.4	2.4
DRH3D16	4.0	4.0	1.8	5.2	1.0	-	1.3	1.4	2.4
DRH3D28	4.0	4.0	3.0	5.2	1.0	-	1.3	1.4	2.4
DRH4D18	5.0	5.0	2.0	6.9	1.5	4.5	5.3	1.9	1.5
DRH4D28	5.0	5.0	3.0	6.9	1.5	4.5	5.3	1.9	1.5
DRH5D18	6.0	6.0	2.0	8.2	2.0	5.5	6.3	2.15	2.0
DRH5D28	6.0	6.0	3.0	8.2	2.0	5.5	6.3	2.15	2.0
DRH6D28	7.0	7.0	3.0	9.5	2.0	6.5	7.3	2.65	2.0
DRH6D38	7.0	7.0	4.0	9.5	2.0	6.5	7.3	2.65	2.0
DRH8D28	8.3	8.3	3.0	2.5	1.2	6.3	2.8	2.00	6.1
DRH8D43	8.3	8.3	4.5	2.5	1.2	6.3	2.8	2.00	6.1

Electrical Specifications-DRH2D09

P/N	INDUCTANCE (uH)	DCR(Max) (Ω)	IDC(Max) (A)	TEST FREQ (kHz)
DRH2D09-1R2N	1.2±30%	0.098	0.80	100
DRH2D09-1R5N	1.5±30%	0.110	0.73	100
DRH2D09-1R8N	1.8±30%	0.131	0.65	100
DRH2D09-2R2N	2.2±30%	0.144	0.60	100
DRH2D09-2R5N	2.5±30%	0.150	0.53	100
DRH2D09-3R0N	3.0±30%	0.194	0.47	100
DRH2D09-3R9N	3.9±30%	0.225	0.45	100
DRH2D09-4R7N	4.7±30%	0.288	0.41	100
DRH2D09-5R6N	5.6±30%	0.325	0.37	100
DRH2D09-6R8N	6.8±30%	0.425	0.33	100
DRH2D09-8R2N	8.2±30%	0.475	0.30	100
DRH2D09-100N	10±30%	0.538	0.28	100

Electrical Specifications-DRH2D11

P/N	INDUCTANCE (uH)	DCR(Max) (Ω)	IDC(Max) (A)	TEST FREQ (kHz)
DRH2D11-1R5N	1.5±30%	0.068	0.90	100
DRH2D11-2R2N	2.2±30%	0.098	0.78	100
DRH2D11-3R3N	3.3±30%	0.123	0.60	100
DRH2D11-4R7N	4.7±30%	0.170	0.50	100
DRH2D11-5R6N	5.6±30%	0.230	0.48	100
DRH2D11-6R8N	6.8±30%	0.260	0.44	100
DRH2D11-8R2N	8.2±30%	0.350	0.38	100
DRH2D11-100N	10±30%	0.400	0.35	100
DRH2D11-150N	15±30%	0.620	0.28	100
DRH2D11-220N	22±30%	1.500	0.20	100
DRH2D11-330N	33±30%	1.800	0.15	100

- Special inquiries besides the above common used types can be meet on your requirement.
- Δ L/L=-35%,Δ t=40°C.

Electrical Specifications-DRH2D14

P/N	INDUCTANCE (μ H)	DCR(Max) (Ω)	IDC(Max) (A)	TEST FREQ (kHz)
DRH2D14-1R5N	1.5 $\pm$ 30%	0.063	1.80	100
DRH2D14-1R8N	1.8 $\pm$ 30%	0.075	1.65	100
DRH2D14-2R2N	2.2 $\pm$ 30%	0.094	1.50	100
DRH2D14-2R7N	2.7 $\pm$ 30%	0.106	1.35	100
DRH2D14-3R3N	3.3 $\pm$ 30%	0.125	1.20	100
DRH2D14-3R9N	3.9 $\pm$ 30%	0.138	1.10	100
DRH2D14-4R7N	4.7 $\pm$ 30%	0.169	1.00	100
DRH2D14-5R6N	5.6 $\pm$ 30%	0.188	0.95	100
DRH2D14-6R8N	6.8 $\pm$ 30%	0.213	0.85	100
DRH2D14-8R2N	8.2 $\pm$ 30%	0.281	0.80	100
DRH2D14-100N	10 $\pm$ 30%	0.294	0.70	100
DRH2D14-120N	12 $\pm$ 30%	0.394	0.62	100

Electrical Specifications-DRH2D18

P/N	INDUCTANCE (μ H)	DCR(Max) (Ω)	IDC(Max) (A)	TEST FREQ (kHz)
DRH2D18-2R2N	2.2 $\pm$ 30%	0.043	0.85	100
DRH2D18-3R3N	3.3 $\pm$ 30%	0.060	0.77	100
DRH2D18-4R7N	4.7 $\pm$ 30%	0.081	0.63	100
DRH2D18-6R8N	6.8 $\pm$ 30%	0.108	0.57	100
DRH2D18-8R2N	8.2 $\pm$ 30%	0.179	0.50	100
DRH2D18-100N	10 $\pm$ 30%	0.201	0.45	100
DRH2D18-150N	15 $\pm$ 30%	0.227	0.35	100
DRH2D18-220N	22 $\pm$ 30%	0.331	0.30	100
DRH2D18-330N	33 $\pm$ 30%	0.481	0.23	100
DRH2D18-470M	47 $\pm$ 20%	0.660	0.20	100

- Special inquiries besides the above common used types can be meet on your requirement.
- $\Delta L/L = -35\%$, $\Delta t = 40^\circ\text{C}$.

Electrical Specifications-DRH3D11

P/N	INDUCTANCE (μ H)	DCR(Max) (Ω)	IDC(Max) (A)	TEST FREQ (kHz)
DRH3D11-3R3N	3.3 $\pm$ 30%	0.105	0.50	100
DRH3D11-4R7N	4.7 $\pm$ 30%	0.095	0.40	100
DRH3D11-5R6N	5.6 $\pm$ 30%	0.160	0.36	100
DRH3D11-6R8N	6.8 $\pm$ 30%	0.170	0.34	100
DRH3D11-8R2N	8.2 $\pm$ 30%	0.190	0.32	100
DRH3D11-100N	10 $\pm$ 30%	0.280	0.28	100
DRH3D11-150N	15 $\pm$ 30%	0.320	0.23	100
DRH3D11-220N	22 $\pm$ 30%	0.600	0.19	100
DRH3D11-330N	33 $\pm$ 30%	0.700	0.15	100

Electrical Specifications-DRH3D16

P/N	INDUCTANCE (μ H)	DCR(Max) (Ω)	IDC(Max) (A)	TEST FREQ (kHz)
DRH3D16-1R5N	1.5 $\pm$ 30%	0.052	1.55	100
DRH3D16-2R2N	2.2 $\pm$ 30%	0.072	1.20	100
DRH3D16-3R3N	3.3 $\pm$ 30%	0.085	1.10	100
DRH3D16-4R7N	4.7 $\pm$ 30%	0.105	0.90	100
DRH3D16-6R8N	6.8 $\pm$ 30%	0.170	0.73	100
DRH3D16-100N	10 $\pm$ 30%	0.210	0.55	100
DRH3D16-150N	15 $\pm$ 30%	0.295	0.45	100
DRH3D16-220N	22 $\pm$ 30%	0.430	0.40	100
DRH3D16-330N	33 $\pm$ 30%	0.675	0.32	100

- Special inquiries besides the above common used types can be meet on your requirement.
- $\Delta L/L = -35\%$, $\Delta t = 40^\circ\text{C}$.

Electrical Specifications-DRH3D28

P/N	INDUCTANCE (μ H)	DCR(Max) (Ω)	IDC(Max) (A)	TEST FREQ (kHz)
DRH3D28-3R3N	3.3 $\pm$ 30%	0.072	2.00	100
DRH3D28-4R7N	4.7 $\pm$ 30%	0.088	1.65	100
DRH3D28-6R8N	6.8 $\pm$ 30%	0.119	1.24	100
DRH3D28-8R2N	8.2 $\pm$ 30%	0.140	1.15	100
DRH3D28-100M	10 $\pm$ 20%	0.145	1.05	100
DRH3D28-150M	15 $\pm$ 20%	0.213	0.90	100
DRH3D28-220M	22 $\pm$ 20%	0.335	0.76	100
DRH3D28-330M	33 $\pm$ 20%	0.481	0.58	100
DRH3D28-470M	47 $\pm$ 20%	0.599	0.48	100

- Special inquiries besides the above common used types can be meet on your requirement.
- $\Delta L/L = -35\%$, $\Delta t = 40^\circ\text{C}$.

Electrical Specifications-DRH4D18

P/N	INDUCTANCE (uH)	DCR(Max) (Ω)	IDC(Max) (A)	TEST FREQ (kHz)
DRH4D18-1R0N	1.0±30%	0.045	1.72	100
DRH4D18-2R2N	2.2±30%	0.075	1.32	100
DRH4D18-2R7N	2.7±30%	0.105	1.28	100
DRH4D18-3R3N	3.3±30%	0.110	1.04	100
DRH4D18-3R9N	3.9±30%	0.155	0.88	100
DRH4D18-4R7N	4.7±30%	0.162	0.84	100
DRH4D18-5R6N	5.6±30%	0.170	0.80	100
DRH4D18-6R8N	6.8±30%	0.200	0.76	100
DRH4D18-8R2N	8.2±30%	0.245	0.68	100
DRH4D18-100M	10±20%	0.200	0.61	100
DRH4D18-120M	12±20%	0.210	0.56	100
DRH4D18-150M	15±20%	0.240	0.50	100
DRH4D18-180M	18±20%	0.338	0.48	100
DRH4D18-220M	22±20%	0.397	0.41	100
DRH4D18-270M	27±20%	0.441	0.35	100
DRH4D18-330M	33±20%	0.694	0.32	100
DRH4D18-390M	39±20%	0.709	0.30	100
DRH4D18-470M	47±20%	0.92	0.28	100
DRH4D18-560M	56±20%	1.08	0.26	100
DRH4D18-680M	68±20%	1.30	0.24	100
DRH4D18-820M	82±20%	1.55	0.22	100
DRH4D18-101M	100±20%	1.73	0.20	100
DRH4D18-121M	120±20%	2.39	0.18	100
DRH4D18-151M	150±20%	2.67	0.15	100
DRH4D18-181M	180±20%	4.00	0.14	100

- Special inquiries besides the above common used types can be meet on your requirement.
- $\Delta L/L = -35\%$, $\Delta t = 40^\circ\text{C}$.

Electrical Specifications-DRH4D28

P/N	INDUCTANCE (uH)	DCR(Max) (Ω)	IDC(Max) (A)	TEST FREQ (kHz)
DRH4D28-1R2N	1.2±30%	0.024	2.56	100
DRH4D28-1R8N	1.8±30%	0.028	2.20	100
DRH4D28-2R2N	2.2±30%	0.031	2.04	100
DRH4D28-2R7N	2.7±30%	0.043	1.60	100
DRH4D28-3R3N	3.3±30%	0.049	1.57	100
DRH4D28-3R9N	3.9±30%	0.065	1.44	100
DRH4D28-4R7N	4.7±30%	0.072	1.32	100
DRH4D28-5R6N	5.6±30%	0.101	1.17	100
DRH4D28-6R8N	6.8±30%	0.109	1.12	100
DRH4D28-8R2N	8.2±30%	0.118	1.04	100
DRH4D28-100M	10±20%	0.128	1.00	100
DRH4D28-120M	12±20%	0.132	0.84	100
DRH4D28-150M	15±20%	0.149	0.76	100
DRH4D28-180M	18±20%	0.166	0.72	100
DRH4D28-220M	22±20%	0.235	0.70	100
DRH4D28-270M	27±20%	0.261	0.58	100
DRH4D28-330M	33±20%	0.378	0.56	100
DRH4D28-390M	39±20%	0.384	0.50	100
DRH4D28-470M	47±20%	0.59	0.48	100
DRH4D28-560M	56±20%	0.62	0.41	100
DRH4D28-680M	68±20%	0.70	0.35	100
DRH4D28-820M	82±20%	0.91	0.32	100
DRH4D28-101M	100±20%	1.02	0.29	100
DRH4D28-121M	120±20%	1.27	0.27	100
DRH4D28-151M	150±20%	1.35	0.24	100
DRH4D28-181M	180±20%	1.54	0.22	100
DRH4D28-221M	220±20%	1.72	0.20	100
DRH4D28-271M	270±20%	1.95	0.16	100
DRH4D28-331M	330±20%	2.66	0.14	100
DRH4D28-391M	390±20%	2.83	0.13	100

- Special inquiries besides the above common used types can be meet on your requirement.
- Δ L/L=-35%,Δ t=40°C.

Electrical Specifications-DRH5D18

P/N	INDUCTANCE (μ H)	DCR(Max) (Ω)	IDC(Max) (A)	TEST FREQ (kHz)
DRH5D18-4R1N	4.1 $\pm$ 30%	0.057	1.95	10
DRH5D18-5R4N	5.4 $\pm$ 30%	0.076	1.60	10
DRH5D18-6R2N	6.2 $\pm$ 30%	0.096	1.40	10
DRH5D18-8R9N	8.9 $\pm$ 30%	0.116	1.25	10
DRH5D18-100M	10 $\pm$ 20%	0.124	1.20	10
DRH5D18-120M	12 $\pm$ 20%	0.153	1.10	10
DRH5D18-150M	15 $\pm$ 20%	0.196	0.97	10
DRH5D18-180M	18 $\pm$ 20%	0.210	0.85	10
DRH5D18-220M	22 $\pm$ 20%	0.290	0.80	10
DRH5D18-270M	27 $\pm$ 20%	0.330	0.75	10
DRH5D18-330M	33 $\pm$ 20%	0.386	0.65	10
DRH5D18-390M	39 $\pm$ 20%	0.520	0.57	10
DRH5D18-470M	47 $\pm$ 20%	0.595	0.54	10
DRH5D18-560M	56 $\pm$ 20%	0.665	0.50	10
DRH5D18-680M	68 $\pm$ 20%	0.840	0.43	10
DRH5D18-820M	82 $\pm$ 20%	0.978	0.41	10
DRH5D18-101M	100 $\pm$ 20%	1.200	0.36	10
DRH5D18-121M	120 $\pm$ 20%	1.500	0.33	10
DRH5D18-151M	150 $\pm$ 20%	1.710	0.31	10
DRH5D18-181M	180 $\pm$ 20%	2.240	0.28	10
DRH5D18-221M	220 $\pm$ 20%	2.440	0.23	10
DRH5D18-271M	270 $\pm$ 20%	3.380	0.21	10
DRH5D18-331M	330 $\pm$ 20%	4.340	0.18	10

- Special inquiries besides the above common used types can be meet on your requirement.
- $\Delta L/L = -35\%$, $\Delta t = 40^\circ\text{C}$.

Electrical Specifications-DRH5D28

P/N	INDUCTANCE (uH)	DCR(Max) (Ω)	IDC(Max) (A)	TEST FREQ (kHz)
DRH5D28-2R6N	2.6±30%	0.018	2.60	10
DRH5D28-3R0N	3.0±30%	0.024	2.40	10
DRH5D28-4R2N	4.2±30%	0.031	2.20	10
DRH5D28-5R3N	5.3±30%	0.038	1.90	10
DRH5D28-6R2N	6.2±30%	0.045	1.80	10
DRH5D28-8R2N	8.2±30%	0.053	1.60	10
DRH5D28-100M	10±20%	0.065	1.30	10
DRH5D28-120M	12±20%	0.076	1.20	10
DRH5D28-150M	15±20%	0.103	1.10	10
DRH5D28-180M	18±20%	0.110	1.00	10
DRH5D28-220M	22±20%	0.122	0.90	10
DRH5D28-270M	27±20%	0.175	0.85	10
DRH5D28-330M	33±20%	0.189	0.75	10
DRH5D28-390M	39±20%	0.212	0.70	10
DRH5D28-470M	47±20%	0.26	0.62	10
DRH5D28-560M	56±20%	0.31	0.58	10
DRH5D28-680M	68±20%	0.36	0.52	10
DRH5D28-820M	82±20%	0.46	0.46	10
DRH5D28-101M	100±20%	0.52	0.42	10
DRH5D28-121M	120±20%	0.56	0.40	10
DRH5D28-151M	150±20%	0.68	0.35	10
DRH5D28-181M	180±20%	0.93	0.32	10
DRH5D28-221M	220±20%	1.15	0.30	10
DRH5D28-271M	270±20%	1.56	0.27	10
DRH5D28-331M	330±20%	1.98	0.25	10
DRH5D28-391M	390±20%	2.50	0.22	10
DRH5D28-471M	470±20%	2.70	0.20	10
DRH5D28-561M	560±20%	3.12	0.18	10
DRH5D28-681M	680±20%	4.15	0.16	10

- Special inquiries besides the above common used types can be meet on your requirement.
- $\Delta L/L = -35\%$, $\Delta t = 40^\circ\text{C}$.

Electrical Specifications-DRH6D28

P/N	INDUCTANCE (uH)	DCR(Max) (Ω)	IDC(Max) (A)	TEST FREQ (kHz)
DRH6D28-3R0N	3.0±30%	0.024	3.00	10
DRH6D28-3R9N	3.9±30%	0.027	2.60	10
DRH6D28-5R0N	5.0±30%	0.031	2.40	10
DRH6D28-6R0N	6.0±30%	0.035	2.25	10
DRH6D28-7R3N	7.3±30%	0.054	2.10	10
DRH6D28-8R6N	8.6±30%	0.058	1.85	10
DRH6D28-100M	10±20%	0.065	1.70	10
DRH6D28-120M	12±20%	0.070	1.55	10
DRH6D28-150M	15±20%	0.084	1.40	10
DRH6D28-180M	18±20%	0.095	1.32	10
DRH6D28-220M	22±20%	0.128	1.20	10
DRH6D28-270M	27±20%	0.142	1.05	10
DRH6D28-330M	33±20%	0.165	0.97	10
DRH6D28-390M	39±20%	0.210	0.86	10
DRH6D28-470M	47±20%	0.238	0.80	10
DRH6D28-560M	56±20%	0.277	0.73	10
DRH6D28-680M	68±20%	0.304	0.65	10
DRH6D28-820M	82±20%	0.390	0.60	10
DRH6D28-101M	100±20%	0.535	0.54	10
DRH6D28-121M	120±20%	0.75	0.51	10
DRH6D28-151M	150±20%	0.95	0.47	10
DRH6D28-181M	180±20%	1.20	0.41	10
DRH6D28-221M	220±20%	1.50	0.37	10
DRH6D28-271M	270±20%	1.70	0.33	10
DRH6D28-331M	330±20%	2.15	0.28	10
DRH6D28-391M	390±20%	2.25	0.27	10
DRH6D28-471M	470±20%	3.15	0.21	10
DRH6D28-561M	560±20%	3.75	0.20	10
DRH6D28-681M	680±20%	5.15	0.20	10

- Special inquiries besides the above common used types can be meet on your requirement.
- $\Delta L/L = -35\%$, $\Delta t = 40^\circ\text{C}$.

Electrical Specifications-DRH6D38

P/N	INDUCTANCE (uH)	DCR(Max) (Ω)	IDC(Max) (A)	TEST FREQ (kHz)
DRH6D38-3R3N	3.3±30%	0.020	3.50	10
DRH6D38-5R0N	5.0±30%	0.024	2.90	10
DRH6D38-6R2N	6.2±30%	0.027	2.50	10
DRH6D38-7R4N	7.4±30%	0.031	2.30	10
DRH6D38-8R7N	8.7±30%	0.034	2.20	10
DRH6D38-100M	10±20%	0.038	2.00	10
DRH6D38-120M	12±20%	0.053	1.70	10
DRH6D38-150M	15±20%	0.057	1.60	10
DRH6D38-180M	18±20%	0.092	1.50	10
DRH6D38-220M	22±20%	0.096	1.30	10
DRH6D38-270M	27±20%	0.109	1.20	10
DRH6D38-330M	33±20%	0.124	1.10	10
DRH6D38-390M	39±20%	0.138	1.00	10
DRH6D38-470M	47±20%	0.155	0.95	10
DRH6D38-560M	56±20%	0.202	0.85	10
DRH6D38-680M	68±20%	0.234	0.75	10
DRH6D38-820M	82±20%	0.324	0.70	10
DRH6D38-101M	100±20%	0.358	0.65	10
DRH6D38-121M	120±20%	0.47	0.59	10
DRH6D38-151M	150±20%	0.58	0.54	10
DRH6D38-181M	180±20%	0.69	0.49	10
DRH6D38-221M	220±20%	0.89	0.43	10
DRH6D38-271M	270±20%	1.29	0.40	10
DRH6D38-331M	330±20%	1.70	0.37	10
DRH6D38-391M	390±20%	1.75	0.34	10
DRH6D38-471M	470±20%	2.20	0.32	10
DRH6D38-561M	560±20%	2.85	0.29	10
DRH6D38-681M	680±20%	3.20	0.25	10
DRH6D38-821M	820±20%	4.05	0.22	10
DRH6D38-102M	1000±20%	5.70	0.20	10

- Special inquiries besides the above common used types can be meet on your requirement.
- $\Delta L/L = -35\%$, $\Delta t = 40^\circ\text{C}$.

Electrical Specifications-DRH8D28

P/N	INDUCTANCE (μ H)	DCR(Max) (Ω)	IDC(Max) (A)	TEST FREQ (kHz)
DRH8D28-2R5N	2.5 $\pm$ 30%	0.016	4.50	100
DRH8D28-3R3N	3.3 $\pm$ 30%	0.018	4.00	100
DRH8D28-4R7N	4.7 $\pm$ 30%	0.025	3.40	100
DRH8D28-7R3N	7.3 $\pm$ 30%	0.039	2.80	100
DRH8D28-100M	10 $\pm$ 20%	0.047	2.50	100
DRH8D28-150M	15 $\pm$ 20%	0.069	1.90	100
DRH8D28-220M	22 $\pm$ 20%	0.099	1.60	100
DRH8D28-330M	33 $\pm$ 20%	0.156	1.30	100
DRH8D28-470M	47 $\pm$ 20%	0.195	1.15	100
DRH8D28-680M	68 $\pm$ 20%	0.286	0.92	100
DRH8D28-101M	100 $\pm$ 20%	0.430	0.75	100

Electrical Specifications-DRH8D43

P/N	INDUCTANCE (μ H)	DCR(Max) (Ω)	IDC(Max) (A)	TEST FREQ (kHz)
DRH8D43-2R0N	2.0 $\pm$ 30%	0.014	7.00	100
DRH8D43-3R9N	3.9 $\pm$ 30%	0.019	5.90	100
DRH8D43-4R7N	4.7 $\pm$ 30%	0.022	5.60	100
DRH8D43-6R8N	6.8 $\pm$ 30%	0.025	4.40	100
DRH8D43-100M	10 $\pm$ 20%	0.036	4.00	100
DRH8D43-150M	15 $\pm$ 20%	0.053	2.90	100
DRH8D43-220M	22 $\pm$ 20%	0.075	2.60	100
DRH8D43-330M	33 $\pm$ 20%	0.125	2.20	100
DRH8D43-470M	47 $\pm$ 20%	0.150	1.80	100
DRH8D43-680M	68 $\pm$ 20%	0.240	1.50	100
DRH8D43-101M	100 $\pm$ 20%	0.360	1.30	100

- Special inquiries besides the above common used types can be meet on your requirement.
- $\Delta L/L = -35\%$, $\Delta t = 40^\circ\text{C}$.