

## SERH-D SERIES

### FEATURES

- \* Compact and low profile
- \* Magnetic Shielded low D.C resistance high Current rating.

### 特性

- \* 小型化。
- \* 具有屏蔽，低阻抗，大电流通过之特性。

### ORDERING CODE(标志示例)

SERH    4D28    -    8R2    N  
(1)        (2)        (3)        (4)

J:  $\pm 5\%$     K:  $\pm 10\%$     L:  $\pm 15\%$   
M:  $\pm 20\%$     P:  $\pm 25\%$     N:  $\pm 30\%$

(1)Type                      类型  
(2)Dimensions            尺寸  
(3)Inductance            电感量  
(4)Inductance Toerance    电感量公差



### SHAPE AND DIMENSIONS(形状及尺寸)

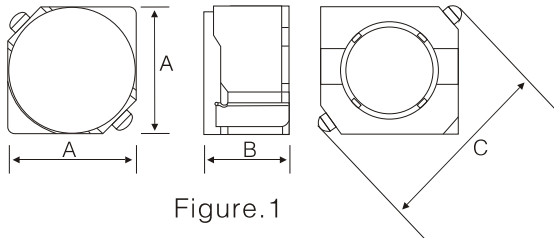


Figure.1

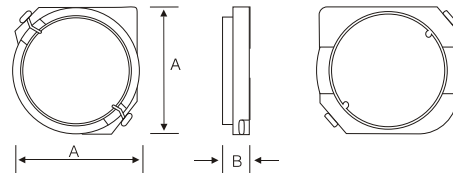


Figure.2

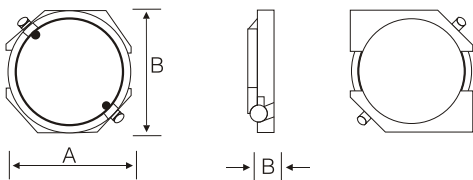
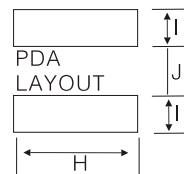


Figure.3



TYPE	FIGURE	A	B	B	C(MAX)	C(MAX)
SERH2D08	1	0.9MAX.	3.2MAX.	0.9MAX.	3.3	3.3
SERH2D18	1	2.0MAX.	3.2MAX.	2.0MAX.	3.3	3.3
SERH3D11	1	1.2 $\pm$ 0.1	4.0MAX.	1.2 $\pm$ 0.1	4.4	4.4
SERH3D16	1	2.0MAX.	4.0MAX.	2.0MAX.	5.2	5.2
SERH4D18	1	2.0MAX.	4.7 $\pm$ 0.3	2.0MAX.	6.9	6.9
SERH4D28	1	4.7 $\pm$ 0.3	4.7 $\pm$ 0.3	4.7 $\pm$ 0.3	3.2	3.2
SERH5D18	1	5.7 $\pm$ 0.3	5.7 $\pm$ 0.3	5.7 $\pm$ 0.3	2.5	2.5
SERH5D28	1	5.7 $\pm$ 0.3	5.7 $\pm$ 0.3	5.7 $\pm$ 0.3	3.2	3.2
SERH6D28	1	6.7 $\pm$ 0.3	6.7 $\pm$ 0.3	6.7 $\pm$ 0.3	3.2	3.2
SERH6D38	1	6.7 $\pm$ 0.3	6.7 $\pm$ 0.3	6.7 $\pm$ 0.3	4.5	4.5
SERH7D15	2	1.5MAX.	7.0 $\pm$ 0.3	1.5MAX.		
SERH10D15	3	1.5MAX.	10.3MAX.	1.5MAX.		

### SERH 2D08 SERIES

PARTNO.	INDUCTANCE(H)	TEST FREQUENCY(Hz)	DCR(Ω)MAX	RATED CURRENT(A)MAX.
SERH 2D08 2R2	2.2 μ	100 K	220 m	0.90
SERH 2D08 3R3	3.3 μ	100 K	340 m	0.70
SERH 2D08 4R7	4.7 μ	100 K	480 m	0.50
SERH 2D08 6R8	6.8 μ	100 K	640 m	0.40
SERH 2D08 100	10 μ	100 K	1.00	0.30

### SERH 2D18 SERIES

PARTNO.	INDUCTANCE(H)	TEST FREQUENCY(Hz)	DCR(Ω)MAX	RATED CURRENT(A)MAX.
SERH 2D08 2R2	2.2 μ	100 K	75 m	0.80
SERH 2D08 3R3	3.3 μ	100 K	90 m	0.70
SERH 2D08 4R7	4.7 μ	100 K	130 m	0.60
SERH 2D08 6R8	6.8 μ	100 K	180m	0.50
SERH 2D08 100	10 μ	100 K	250m	0.40
SERH 2D08 150	15 μ	100 K	380m	0.30
SERH 2D08 220	22 μ	100 K	550m	0.20
SERH 2D08 330	33 μ	100 K	870m	0.10
SERH 2D08 470	47 μ	100 K	1.77	0.10

### SERH 3D11 SERIES

PARTNO.	INDUCTANCE(H)	TEST FREQUENCY(Hz)	DCR(Ω)MAX	RATED CURRENT(A)MAX.
SERH 3D11 2R2	2.2 μ	100 K	112 m	1.40
SERH 3D11 3R3	3.3 μ	100 K	160 m	1.20
SERH 3D11 4R7	4.7 μ	100 K	225 m	1.00
SERH 3D11 6R8	6.8 μ	100 K	312m	0.80
SERH 3D11 100	10 μ	100 K	495m	0.60
SERH 3D11 150	15 μ	100 K	750m	0.50
SERH 3D11 220	22 μ	100 K	1.1	0.40
SERH 3D11 330	33 μ	100 K	1.95	0.30
SERH 3D11 470	47 μ	100 K	3.0	0.30
SERH 3D11 680	68 μ	100 K	4.0	0.20

### SERH 3D16 SERIES

PARTNO.	INDUCTANCE(H)	TEST FREQUENCY(Hz)	DCR(Ω)MAX	RATED CURRENT(A)MAX.
SERH 3D16 1R5	1.5 μ	100 K	52 m	1.55
SERH 3D16 2R2	2.2 μ	100 K	72 m	1.20
SERH 3D16 3R3	3.3 μ	100 K	85 m	1.10
SERH 3D16 4R7	4.7 μ	100 K	105m	0.90
SERH 3D16 6R8	6.8 μ	100 K	170m	0.73
SERH 3D16 100	15 μ	100 K	210m	0.55
SERH 3D16 150	22 μ	100 K	295m	0.45
SERH 3D16 220	33 μ	100 K	430m	0.40
SERH 3D16 330	47 μ	100 K	675m	0.32

## SERH 4D18 SERIES

PARTNO.	INDUCTANCE(H)	TEST FREQUENCY(Hz)	DCR(Ω)MAX	RATED CURRENT(A)MAX.
SERH 4D18 1R0	1.0 μ	100 K	45 m	1.72
SERH 4D18 2R2	2.2 μ	100 K	75 m	1.32
SERH 4D18 2R7	2.7 μ	100 K	105 m	1.28
SERH 4D16 3R3	3.3 μ	100 K	110m	1.04
SERH 4D16 3R9	3.9 μ	100 K	155m	0.88
SERH 4D16 4R7	4.7 μ	100 K	162m	0.84
SERH 4D16 5R6	5.6 μ	100 K	170m	0.80
SERH 4D16 6R8	6.8 μ	100 K	200m	0.76
SERH 4D16 8R2	8.2 μ	100 K	245m	0.68
SERH 4D18 100	10 μ	100 K	200m	0.61
SERH 4D16 120	12 μ	100 K	210m	0.56
SERH 4D16 3R3	15 μ	100 K	240m	0.50
SERH 4D16 4R7	18 μ	100 K	338m	0.48
SERH 4D16 6R8	22 μ	100 K	397m	0.41
SERH 4D16 100	27 μ	100 K	441m	0.35
SERH 4D16 150	33 μ	100 K	694m	0.32
SERH 4D16 220	39 μ	100 K	70 9m	0.30

## SERH 7D15 SERIES

PARTNO.	INDUCTANCE(H)	TEST FREQUENCY(Hz)	DCR(Ω)MAX	RATED CURRENT(A)MAX.
SERH7D153R3	3.3 μ	100K	50m	2.10
SERH7D154R7	4.7 μ	100K	70m	1.70
SERH7D156R8	6.8 μ	100K	90m	1.50
SERH7D15100	10 μ	100K	150m	1.30
SERH7D15150	15 μ	100K	195mm	1.10
SERH7D15220	22 μ	100K	300m	0.90

## SERH 10D15 SERIES

PARTNO.	INDUCTANCE(H)	TEST FREQUENCY(Hz)	DCR(Ω)MAX	RATED CURRENT(A)MAX.
SERH10D152R2	2.2 μ	100K	45m	4.10
SERH10D152R6	2.6 μ	100K	45m	3.70
SERH10D153R0	3.0 μ	100K	55m	3.60
SERH10D153R3	3.3 μ	100K	55m	3.40
SERH10D153R9	3.9 μ	100K	60m	3.20
SERH10D154R7	4.7 μ	100K	65m	2.90
SERH10D15100	10 μ	100k	130m	1.80
SERH10D15470	47 μ	100k	600m	0.85

**SERH4D28 SERIES**

PARTNO.	L(μH) INDUCTANCE	L TEST FREQUENCY	DCR(Ω)MAX	IDC(A)MAX
SERH4D28-IR2N	1.2	100KHz	0.0236	2.56
SERH4D28-IR8N	1.8	100KHz	0.0275	2.20
SERH4D28-2R2N	2.2	100KHz	0.0313	2.04
SERH4D28-2R7N	2.7	100KHz	0.0433	1.60
SERH4D28-3R3N	3.3	100KHz	0.0492	1.57
SERH4D28-3R9N	3.9	100KHz	0.0648	1.44
SERH4D28-4R7N	4.7	100KHz	0.0720	1.32
SERH4D28-5R6N	5.6	100KHz	0.1009	1.17
SERH4D28-6R8N	6.8	100KHz	0.1089	1.12
SERH4D28-8R2N	8.2	100KHz	0.1175	1.04
SERH4D28-100N	10	100KHz	0.1283	1.00
SERH4D28-120N	12	100KHz	0.1316	0.84
SERH4D28-150N	15	100KHz	0.1490	0.76
SERH4D28-180N	18	100KHz	0.1660	0.72
SERH4D28-220N	22	100KHz	0.2350	0.70
SERH4D28-270N	27	100KHz	0.2610	0.58
SERH4D28-330N	33	100KHz	0.3780	0.56
SERH4D28-390N	39	100KHz	0.3837	0.50
SERH4D28-470N	47	100KHz	0.5870	0.48
SERH4D28-560N	56	100KHz	0.6245	0.41
SERH4D28-680N	68	100KHz	0.6990	0.35
SERH4D28-820N	82	100KHz	0.9148	0.32
SERH4D28-101N	100	100KHz	1.02	0.29
SERH4D28-121N	120	100KHz	1.27	0.27
SERH4D28-151N	150	100KHz	1.35	0.24
SERH4D28-181N	180	100KHz	1.54	0.22

**SERH5D18 SERIES**

PARTNO.	L(μH) INDUCTANCE	L TEST FREQUENCY	DCR(Ω)MAX	IDC(A)MAX
SERH5D18-4R1N	4.1	10KHz	0.057	1.95
SERH5D18-5R4N	5.4	10KHz	0.076	1.60
SERH5D18-6R2N	6.2	10KHz	0.096	1.40
SERH5D18-8R9N	8.9	10KHz	0.116	1.25
SERH5D18-100N	10	10KHz	0.124	1.20
SERH5D18-120N	12	10KHz	0.153	1.10
SERH5D18-150N	15	10KHz	0.196	0.97
SERH5D18-180N	18	10KHz	0.210	0.85
SERH5D18-220N	22	10KHz	0.290	0.80
SERH5D18-270N	27	10KHz	0.330	0.75
SERH5D18-330N	33	10KHz	0.386	0.65
SERH5D18-390N	39	10KHz	0.520	0.57

PARTNO.	L(μH) INDUCTANCE	L TEST FREQUENCY	DCR(Ω)MAX	IDC(A)MAX
SERH5D18-470N	47	10KHz	0.595	0.54
SERH5D18-560N	56	10KHz	0.665	0.50
SERH5D18-680N	68	10KHz	0.840	0.43
SERH5D18-820N	82	10KHz	0.978	0.41
SERH5D18-101N	100	10KHz	1.200	0.36

## SERH5D28 SERIES

PARTNO.	L(μH) INDUCTANCE	L TEST FREQUENCY	DCR(Ω)MAX	IDC(A)MAX
SERH5D28-2R6N	2.6	10KHz	0.018	2.60
SERH5D28-3RON	3.0	10KHz	0.024	2.40
SERH5D28-4R2N	4.2	10KHz	0.031	2.20
SERH5D28-5R3N	5.3	10KHz	0.038	1.90
SERH5D28-6R2N	6.2	10KHz	0.045	1.80
SERH5D28-8R2N	8.2	10KHz	0.053	1.60
SERH5D28-100N	10	10KHz	0.065	1.30
SERH5D28-120N	12	10KHz	0.076	1.20
SERH5D28-150N	15	10KHz	0.103	1.10
SERH5D28-180N	18	10KHz	0.110	1.00
SERH5D28-220N	22	10KHz	0.122	0.90
SERH5D28-270N	27	10KHz	0.175	0.85
SERH5D28-330N	33	10KHz	0.189	0.75
SERH5D28-390N	39	10KHz	0.212	0.70
SERH5D28-470N	47	10KHz	0.260	0.62
SERH5D28-560N	56	10KHz	0.305	0.58
SERH5D28-680N	68	10KHz	0.355	0.52
SERH5D28-820N	82	10KHz	0.463	0.46
SERH5D28-101N	100	10KHz	0.520	0.42

## SERH6D28 SERIES

PARTNO.	L(μH) INDUCTANCE	L TEST FREQUENCY	DCR(Ω)MAX	IDC(A)MAX
SERH6D28-3RON	3.0	10KHz	0.024	3.00
SERH6D28-3R9N	3.9	10KHz	0.027	2.60
SERH6D28-5RON	5.0	10KHz	0.031	2.40
SERH6D28-6RON	6.0	10KHz	0.035	2.25
SERH6D28-7R3N	7.3	10KHz	0.054	2.10
SERH6D28-8R6N	8.6	10KHz	0.058	1.85
SERH6D28-100N	10	10KHz	0.065	1.70
SERH6D28-120N	12	10KHz	0.070	1.55

PARTNO.	L(μH) INDUCTANCE	L TEST FREQUENCY	DCR(Ω)MAX	IDC(A)MAX
SERH6D28-150N	15	10KHz	0.084	1.40
SERH6D28-180N	18	10KHz	0.095	1.32
SERH6D28-220N	22	10KHz	0.128	1.20
SERH6D28-270N	27	10KHz	0.142	1.05
SERH6D28-330N	33	10KHz	0.165	0.97
SERH6D28-390N	39	10KHz	0.210	0.86
SERH6D28-470N	47	10KHz	0.238	0.80
SERH6D28-560N	56	10KHz	0.277	0.73
SERH6D28-680N	68	10KHz	0.304	0.65
SERH6D28-820N	82	10KHz	0.390	0.60
SERH6D28-101N	100	10KHz	0.535	0.54

### SYRH6D38 SERIES

PARTNO.	L(μH) INDUCTANCE	L TEST FREQUENCY	DCR(Ω)MAX	IDC(A)MAX
SERH6D38-3R3N	3.3	10KHz	0.020	3.50
SERH6D38-5RON	5.0	10KHz	0.024	2.90
SERH6D38-6R2N	6.2	10KHz	0.027	2.50
SERH6D38-7R4N	7.4	10KHz	0.031	2.30
SERH6D38-8R7N	8.7	10KHz	0.034	2.20
SERH6D38-100N	10	10KHz	0.038	2.00
SERH6D38-120N	12	10KHz	0.053	1.70
SERH6D38-150N	15	10KHz	0.057	1.60
SERH6D38-180N	18	10KHz	0.092	1.50
SERH6D38-220N	22	10KHz	0.096	1.30
SERH6D38-270N	27	10KHz	0.109	1.20
SERH6D38-330N	33	10KHz	0.124	1.10
SERH6D38-390N	39	10KHz	0.138	1.00
SERH6D38-470N	47	10KHz	0.155	0.95
SERH6D38-560N	56	10KHz	0.202	0.85
SERH6D38-680N	68	10KHz	0.234	0.75
SERH6D38-820N	82	10KHz	0.324	0.70
SERH6D38-101N	100	10KHz	0.358	0.65