

## 贴片一体成型电感器-HSDH系列

### 产品特征 FEATURES

- 一体化磁屏蔽结构，EMC 效果极佳。抗EMI性能佳
- 直接在磁芯上金属化电极，抗跌落冲击强，经久耐用
- 天然分布式气隙，具有良好的耐交-直流叠加特性
- 合金粉末一体成型，结构紧实，物理强度高。
- 优质材料，磁损低、效率高。
- 温度稳定性好。
- 全屏蔽结构，漏磁小。
- 工作频率宽，在 1KHz 到高达 5MHz 的宽频带下保证稳定输出。

### 产品应用 APPLICATIONS

- 平板电脑、NoteBook、大功率充电头、移动电源
- 移动电源、液晶电视主板、电子烟
- 安防、数字功放、无线充电器
- 工控主板、PC主板、高频显卡

### 产品型号 PRODUCT IDENTIFICATION

HSDH 0630 H - 1R0 M

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①	Type
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HSDH SMD Integrated Inductor

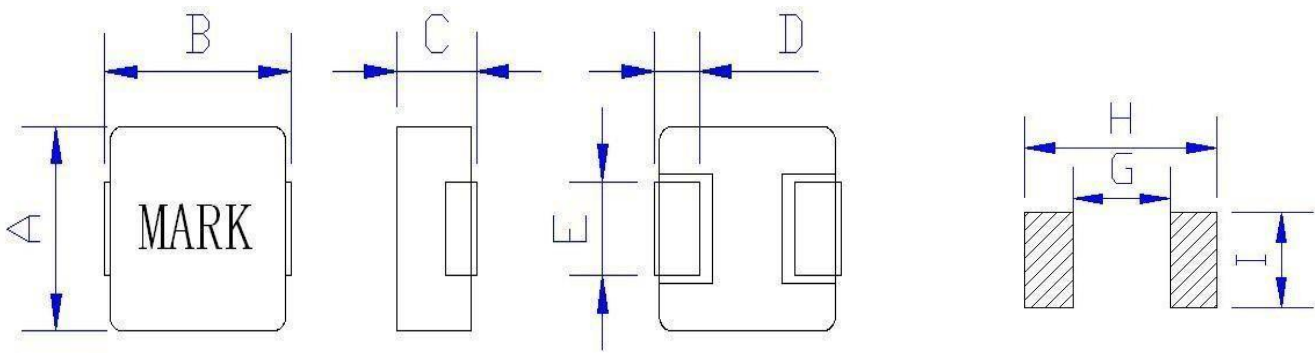
③	Material Code
T	还原铁粉
H	合金粉
Q	羰基粉

④	Nominal Inductance
Example	Nominal Value
R10	0.1 $\mu$ H
1R0	1.0 $\mu$ H
100	10 $\mu$ H

⑤	Inductance Tolerance
K	$\pm$ 10%
M	$\pm$ 20%
N	$\pm$ 30%

②	External Dimensions (L×W×H) [mm]
HSDH0415	4.45×4.05×1.5
HSDH0420	4.45×4.05×1.5
HSDH0515	5.6×5.2×1.5
HSDH0518	5.6×5.2×1.8
HSDH0520	5.6×5.2×2.0
HSDH0530	5.6×5.2×3.0
HSDH0540	5.6×5.2×4.0
HSDH0618	7.7×6.6×1.8
HSDH0620	7.7×6.6×2.0
HSDH0624	7.7×6.6×2.4
HSDH0630	7.7×6.6×3.0
HSDH0640	7.7×6.6×4.0
HSDH0650	7.7×6.6×5.0
HSDH0830	8.5×8.0×3.0
HSDH0850	8.5×8.0×5.0
HSDH1030	11×10.2×3.0
HSDH1040	11×10.2×4.0
HSDH1045	11×10.2×4.5
HSDH1050	11×10.2×5.0
HSDH1235	14×12.8×3.5
HSDH1240	14×12.8×4.0
HSDH1250	14×12.8×5.0
HSDH1260	14×12.8×6.0
HSDH1265	14×12.8×6.5

## 外观尺寸 SHAPE AND DIMENSIONS



Unit: mm

Product No.	A	B	C	D	E	G	H	I
-	±0.2	±0.5	Max	±0.3/0.5	±0.3	Ref.	Ref.	Ref.
HSDH0415	4.05	4.45	1.5	1.1±0.3	1.5/2	1.7	5.1	2.3
HSDH0420			2.0					
HSDH0515	5.2	5.6	1.5	1.3±0.3	2.2	1.9	6.2	2.5
HSDH0518			1.8					
HSDH0520			2.0					
HSDH0530			3.0					
HSDH0540			4.0					
HSDH0618	6.6	7.1	1.8	1.6±0.5	3.0	2.9	7.8	3.5
HSDH0620			2.0					
HSDH0624			2.4					
HSDH0630			3.0					
HSDH0640			4.0					
HSDH0650			5.0					
HSDH0830	8.0	8.5	3.0	1.8±0.5	3.0	4.5	9.2	3.5
HSDH0850			5.0					
HSDH1030	10.2	11.0	3.0	2.0±0.5	3.0	6.0	11.8	3.5
HSDH1040			4.0					
HSDH1050			5.0					
HSDH1235	12.8	14.0	3.5	2.5±0.5	3.8	7.6	14.1	4.5
HSDH1240			4.0					
HSDH1250			5.0					
HSDH1260			6.0					
HSDH1265			6.5					

**规格特性 SPECIFICATIONS**
**HSDH0420H-Series**

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH0420H-R22M	0.22±30%	5.3	6.4	8.0	14
HSDH0420H-R33M	0.33±30%	8.5	11	7.0	12
HSDH0420H-R47M	0.47±30%	11	14.5	6.0	11
HSDH0420H-R56M	0.56±30%	16	21	5.5	10
HSDH0420H-R68M	0.68±30%	17.5	23	5.0	9.0
HSDH0420H-1R0M	1.0±30%	26	34	4.5	8.0
HSDH0420H-1R5M	1.5±30%	35	45	4.0	7.0
HSDH0420H-2R2M	2.2±20%	51	60	3.0	6.0
HSDH0420H-3R3M	3.3±20%	78	90	2.5	4.0
HSDH0420H-4R7M	4.7±20%	100	110	2.0	3.5
HSDH0420H-6R8M	6.8±20%	160	175	1.8	3.0
HSDH0420H-100M	10±20%	220	250	1.5	2.5

**HSDH0515H-Series**

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH0515H-R47M	0.47±30%	16	21	6	12
HSDH0515H-1R0M	1.0±30%	35	45	5	10
HSDH0515H-1R5M	1.5±30%	53	65	4	8
HSDH0515H-2R2M	2.2±20%	74	85	2.5	5
HSDH0515H-3R3M	3.3±20%	115	135	1.8	3.5

**HSDH0518H-Series**

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH0518H-R47M	0.47±30%	11	15	7	14
HSDH0518H-1R0M	1.0±30%	17	23	5	9
HSDH0518H-1R5M	1.5±30%	28	35	4	8
HSDH0518H-2R2M	2.2±20%	47	55	3.5	6.5
HSDH0518H-3R3M	3.3±20%	77	88	2.5	5.0
HSDH0518H-4R7M	4.7±20%	120	140	2.0	4.5
HSDH0518H-6R8M	6.8±20%	178	200	1.8	3.0

## 规格特性 SPECIFICATIONS

### HSDH0520H-Series

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH0520H-R33M	0.33±30%	7.5	10	8	16
HSDH0520H-R47M	0.47±30%	10	13	7.0	15
HSDH0520H-R68M	0.68±30%	12.5	16	6.0	11
HSDH0520H-1R0M	1.0±30%	17	22	5.0	10
HSDH0520H-1R5M	1.5±30%	27	33	4.5	8
HSDH0520H-2R2M	2.2±20%	35	43	4.0	7.0
HSDH0520H-3R3M	3.3±20%	62	70	3.5	5.5
HSDH0520H-4R7M	4.7±20%	82	90	3.0	5.0
HSDH0520H-6R8M	6.8±20%	128	140	2.2	4.0
HSDH0520H-100M	10±20%	185	205	1.8	3.0

### HSDH0530H-Series

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH0530H-R47M	0.47±30%	6.5	9.5	8.0	16.0
HSDH0530H-R68M	0.68±30%	9.2	12	7.0	14.0
HSDH0530H-1R0M	1.0±30%	12.5	15	6.0	12.0
HSDH0530H-1R5M	1.5±30%	15.5	20	5.0	10.0
HSDH0530H-2R2M	2.2±20%	25.5	32	4.5	9.0
HSDH0530H-3R3M	3.3±20%	32	38	4.0	8.0
HSDH0530H-4R7M	4.7±20%	49	58	3.5	7.0
HSDH0530H-6R8M	6.8±20%	70	80	3.0	5.0
HSDH0530H-8R2M	8.2±20%	85	110	2.5	4.0
HSDH0530H-100M	10±20%	115	145	2.0	3.5
HSDH0530H-150M	15±20%	192	215	1.8	3
HSDH0530H-220M	22±20%	230	275	1.5	2.5

### HSDH0618H-Series

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH0618H-R22M	0.22±30%	4	6	14	28
HSDH0618H-R47M	0.47±30%	8	11	11	22
HSDH0618H-1R0M	1.0±30%	15.5	19	7.0	12

## 规格特性 SPECIFICATIONS

### HSDH0618H-Series

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH0618H-1R5M	1.5±30%	24	35	6	10
HSDH0618H-2R2M	2.2±20%	34	45	5.0	9
HSDH0618H-3R3M	3.3±20%	50	60	4	7
HSDH0618H-4R7M	4.7±20%	61	72	3	5.5
HSDH0618H-6R8M	6.8±20%	100	115	2	4

### HSDH0620H-Series

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH0620H-R22M	0.22±30%	2.8	4.5	15	28
HSDH0620H-R33M	0.33±30%	4.5	7.0	12	25
HSDH0620H-R47M	0.47±30%	7	9	10	22
HSDH0620H-R68M	0.68±30%	9	12	9.0	18
HSDH0620H-1R0M	1.0±30%	16.5	21	7.0	14
HSDH0620H-1R5M	1.5±30%	24	32	6.0	12
HSDH0620H-2R2M	2.2±20%	31	40	5.0	9.0
HSDH0620H-3R3M	3.3±20%	45	55	4.0	7.0
HSDH0620H-4R7M	4.7±20%	77	90	3.5	6.0
HSDH0620H-6R8M	6.8±20%	114	140	2.5	5.0
HSDH0620H-100M	10±20%	155	170	2.0	4.0

### HSDH0624H-Series)

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH0624H-R22M	0.22±30%	2.7	3.6	18	32
HSDH0624H-R47M	0.47±30%	5	7.5	12	25
HSDH0624H-R68M	0.68±30%	6.9	10	9.0	18
HSDH0624H-1R0M	1.0±30%	11	13	8.0	16
HSDH0624H-1R5M	1.5±30%	16	21	7.0	14
HSDH0624H-2R2M	2.2±20%	25	32	6.0	11
HSDH0624H-3R3M	3.3±20%	34	41	5.0	9.0

**规格特性 SPECIFICATIONS**

## HSDH0624H-Series)

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH0624H-4R7M	4.7±20%	42.5	50	4.0	7.5
HSDH0624H-6R8M	6.8±20%	65	73	3.0	6
HSDH0624H-100M	10±20%	88	100	2.5	4.5

## HSDH0630H-Series

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH0630H-R10M	0.1±30%	1.65	2.5	25	50
HSDH0630H-R15M	0.15±30%	1.9	2.5	22	45
HSDH0630H-R22M	0.22±30%	2.6	4	18	35
HSDH0630H-R33M	0.33±30%	3.4	5	16	28
HSDH0630H-R47M	0.47±30%	3.6	5.5	15	24
HSDH0630H-R68M	0.68±30%	4.8	7.0	12	20
HSDH0630H-1R0M	1.0±30%	8.5	10	10	18
HSDH0630H-1R0M02	1.0±30%	6.7	7.4	12	17
HSDH0630H-1R5M	1.5±30%	10	12	8.0	14
HSDH0630H-1R5M02	1.5±30%	8.2	10	10	14
HSDH0630H-2R2M	2.2±20%	14.5	18	7.0	12
HSDH0630H-3R3M	3.3±20%	24	30	6.0	10
HSDH0630H-4R7M	4.7±20%	36	45	5.0	9.0
HSDH0630H-5R6M	5.6±20%	42	50	4.5	8.0
HSDH0630H-6R8M	6.8±20%	56	65	4	7.0
HSDH0630H-8R2M	8.2±20%	63	70	3.5	6.0
HSDH0630H-100M	10±20%	80	90	3.0	5.5
HSDH0630H-100M02	10±20%	63	70	4.0	5.5
HSDH0630H-150M	15±20%	108	120	2.5	4.5
HSDH0630H-220M	22±20%	142	160	2.0	3.5
HSDH0630H-330M	33±20%	210	240	1.5	2.8

**规格特性 SPECIFICATIONS**
**HSDH0650H-Series**

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
		Max.	Typ.		
Units	@100kHz,1V	mΩ		A	A
-	μH	DCR		Isat	Irms
-	L	DCR		Isat	Irms
HSDH0650H-R22M	0.22±30%	1.88	2.5	24	40
HSDH0650H-R47M	0.47±30%	2.8	4.5	16	25
HSDH0650H-R68M	0.68±30%	4.2	6.0	14	22
HSDH0650H-1R0M	1.0±30%	5.5	7.2	12	16
HSDH0650H-1R5M	1.5±30%	7.2	10	10	15
HSDH0650H-2R2M	2.2±20%	9.5	14	8.0	12
HSDH0650H-3R3M	3.3±20%	13.8	18	6.0	10
HSDH0650H-4R7M	4.7±20%	18	23	5.0	9.0
HSDH0650H-6R8M	6.8±20%	27	33	4.5	8.0
HSDH0650H-8R2M	8.2±20%	40	50	4	7.5
HSDH0650H-100M	10±20%	45	55	4.0	7.0
HSDH0650H-150M	15±20%	63	75	3.5	6.0
HSDH0650H-220M	22±20%	107	125	2.5	4.0
HSDH0650H-330M	33±20%	155	195	2	3.5
HSDH0650H-470M	47±20%	232	250	1.8	3.0
HSDH0650H-680M	68±20%	320	370	1.5	2.5

**HSDH0830H-Series**

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
		Max.	Typ.		
Units	@100kHz,1V	mΩ		A	A
-	μH	DCR		Isat	Irms
-	L	DCR		Isat	Irms
HSDH0830H-1R0M	1.0±30%	5.2	8.0	12	18
HSDH0830H-1R5M	1.5±30%	6.0	8.0	10	16
HSDH0830H-2R2M	2.2±20%	10	15	8	13
HSDH0830H-3R3M	3.3±20%	17	22	7	11
HSDH0830H-4R7M	4.7±20%	24	32	6	10

**规格特性 SPECIFICATIONS**

## HSDH0850H-Series)

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
		Max.	Typ.		
Units	@100kHz,1V μH	mΩ		A	A
-	L	DCR		Isat	Irms
HSDH0850H-R22M	0.22±30%	0.7	1.0	33	60
HSDH0850H-R47M	0.47±30%	2.8	4.5	20	35
HSDH0850H-R56M	0.56±30%	3.0	4.5	20	30
HSDH0850H-R68M	0.68±30%	3.6	6.0	16	25
HSDH0850H-1R0M	1.0±30%	5.2	8.0	14	20
HSDH0850H-1R5M	1.5±30%	6.0	8.0	12	18
HSDH0850H-2R2M	2.2±20%	8.2	12	8	16
HSMC0850H-3R3M	3.3±20%	11	15	9	13
HSMC0850H-4R7M	4.7±20%	15	20	8	12
HSMC0850H-5R6M	5.6±20%	20	28	7	11
HSMC0850H-6R8M	6.8±20%	24	32	6	10
HSMC0850H-100M	10±20%	35	45	5.5	8.5
HSMC0850H-150M	15±20%	47	55	5	7
HSMC0850H-220M	22±20%	78	88	4	5.5
HSMC0850H-330M	33±20%	125	140	3	5
HSMC0850H-470M	47±20%	186	200	2.5	4

## HSDH1030H-Series

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
		Max.	Typ.		
Units	@100kHz,1V μH	mΩ		A	A
-	L	DCR		Isat	Irms
HSDH1030H-R47M	0.47±30%	3.0	4.5	16	28
HSDH1030H-1R0M	1.0±30%	6.4	9.6	13	20
HSDH1030H-1R5M	1.5±30%	9.0	13	11	16
HSDH1030H-2R2M	2.2±20%	11	16	10	16
HSDH1030H-3R3M	3.3±20%	17	24	7	13
HSDH1030H-4R7M	4.7±20%	25	34	6	11
HSDH1030H-6R8M	6.8±20%	42	52	5	10
HSDH1030H-8R2M	8.2±20%	49	60	4.5	9
HSDH1030H-100M	10±20%	55	65	4	8



**规格特性 SPECIFICATIONS**
**HSDH1040H-Series**

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH1040H-R22M	0.22±30%	0.55	0.8	28	50
HSDH1040H-R33M	0.33±30%	1	1.5	22	45
HSDH1040H-R47M	0.47±30%	1.2	1.8	20	35
HSDH1040H-R68M	0.68±30%	1.9	2.8	18	32
HSDH1040H-1R0M	1.0±30%	2.4	3.5	16	28
HSDH1040H-1R5M	1.5±30%	4.8	6	15	23
HSDH1040H-2R2M	2.2±20%	6.5	10	14	20
HSDH1040H-3R3M	3.3±20%	10	13	12	17
HSDH1040H-4R7M	4.7±20%	14	20	10	15
HSDH1040H-6R8M	6.8±20%	20	25	9	12
HSDH1040H-8R2M	8.2±20%	26	33	7	10
HSDH1040H-100M	10±20%	31	38	6	9
HSDH1040H-100M02	10±20%	28.5	32	6.5	9
HSDH1040H-150M	15±20%	50	75	5	8
HSDH1040H-220M	22±20%	60	70	4	7
HSDH1040H-330M	33±20%	93	105	3.5	6
HSDH1040H-470M	47±20%	138	155	3	5
HSDH1040H-680M	68±20%	210	240	2.5	4
HSDH1040H-101M	100±20%	305	350	1.8	3

**HSDH1045H-Series**

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH1045H-220M	22±20%	60	70	4	8
HSDH1045H-470M	47±20%	138	155	3	5.5
HSDH1045H-680M	68±20%	160	180	2.5	4
HSDH1045H-101M	100±20%	305	350	2	3.5

## 规格特性 SPECIFICATIONS

### HSDH1050H-Series

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH1050H-1R0M	1.0±30%	2.1	3.0	18	30
HSDH1050H-1R5M	1.5±20%	2.8	4.2	16	25
HSDH1050H-2R2M	2.2±20%	5	7.5	14	22
HSDH1050H-3R3M	3.3±20%	6.9	9.0	12	18
HSDH1050H-4R7M	4.7±20%	12	16	9	15
HSDH1050H-6R8M	6.8±20%	17	23	8	13
HSDH1050H-100M	10±20%	25	32	7	12
HSDH1050H-150M	15±20%	36	48	6	10
HSDH1050H-220M	22±20%	63	75	5	8
HSDH1050H-330M	33±20%	76	88	4	6
HSDH1050H-470M	47±20%	110	130	3.0	5.5
HSDH1050H-680M	68±20%	160	180	2.5	4.5
HSDH1050H-101M	100±20%	240	270	2.0	3.5

### HSDH1235H-Series

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH1235H-R47M	0.47±30%	1.2	1.9	28	50
HSDH1235H-R68M	0.68±30%	1.7	2.8	22	40
HSDH1235H-1R0M	1.0±30%	2.9	4.5	17	30
HSDH1235H-1R5M	1.5±30%	4.4	6.5	13	25

### HSDH1240H-Series

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH1240H-2R2M	2.2±20%	5.0	7.5	12	22
HSDH1240H-3R3M	3.3±20%	9.2	16	10	18

**规格特性 SPECIFICATIONS**
**HSDH1240H-Series**

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH1240H-4R7M	4.7±20%	13	20	8.0	15
HSDH1240H-6R8M	6.8±20%	19	29	7.0	12
HSDH1240H-100M	10±20%	27	42	6.0	10
HSDH1240H-150M	15±20%	41	53	5.0	8
HSDH1240H-220M	22±20%	56	68	4.0	7

**HSDH1250H-Series**

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH1250H-R22M	0.22±30%	0.55	0.8	36	60
HSDH1250H-R33M	0.33±30%	0.95	1.45	32	55
HSDH1250H-R47M	0.47±30%	1.1	1.6	30	50
HSDH1250H-R68M	0.68±30%	1.4	2.1	28	45
HSDH1250H-1R0M	1.0±30%	2.1	3.2	24	40
HSDH1250H-1R5M	1.5±30%	2.6	4.0	18	30
HSDH1250H-2R2M	2.2±20%	4.8	7.3	14	26
HSDH1250H-3R3M	3.3±20%	6.3	9.5	12	22
HSDH1250H-4R7M	4.7±20%	7.5	11.5	10	18
HSDH1250H-6R8M	6.8±20%	15	22	9.0	16
HSDH1250H-8R2M	8.2±20%	21	26	8.0	16
HSDH1250H-100M	10±20%	27.5	35	7.0	14
HSDH1250H-150M	15±20%	35	42	6.0	11
HSDH1250H-220M	22±20%	43	55	5.0	9.0
HSDH1250H-330M	33±20%	72	80	4.0	7.0
HSDH1250H-470M	47±20%	103	115	3.0	5.5

## 规格特性 SPECIFICATIONS

### HSDH1260H-Series

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH1260H-2R2M	2.2±20%	2.9	4.5	16	28
HSDH1260H-3R3M	3.3±20%	5	7.5	14	24
HSDH1260H-4R7M	4.7±20%	7.5	11	12	20
HSDH1260H-6R8M	6.8±20%	9.5	15	9	17
HSDH1260H-100M	10±20%	15	22	8	15
HSDH1260H-150M	15±20%	27	36	7	13
HSDH1260H-220M	22±20%	32	40	6	10

### HSDH1265H-Series

Part Number	Inductance	DC Resistance		Max.Rated Current	Saturation Current
	@100kHz,1V	Max.	Typ.		
Units	$\mu\text{H}$	$\text{m}\Omega$		A	A
-	L	DCR		Isat	Irms
HSDH1265H-330M	33±20%	50	60	5	8
HSDH1265H-470M	47±20%	72	85	4	7
HSDH1265H-680M	68±20%	103	120	3	6
HSDH1265H-820M	82±20%	142	160	3	6
HSDH1265H-101M	100±20%	155	180	2.5	4.5

### 包装方式: 13 寸卷轮编带包装

品名规格	0420	0520	0530	0620	0624	0630	0640
包装数量	3000	3000	2000	2000	2000	1000	1000
品名规格	0650	1030	1040	1050	1240	1250	1260/65
包装数量	1000	1000	1000	800	800	500	500

### 可靠性测试

项目	要求	测试条件
工作温度	-45 °C ~ 125 °C	/
温湿度测试	1. 无机械损伤。 2. 阻抗变化在±30%内, 电感量变化在±10%内, Q 值变化在±30%内。	85°C/85%RH, 144 hours
热冲击		-45±3°C 30±3Min/125±3°C 30±3Min, 100cycles
低温测试		-45±3°C, for 24 hours
高温测试		125±3°C, for 24 hours
耐焊性	1. 焊接过程中器件无破损。 2. 至少有 85% 的端电极被焊锡覆盖。 3. 阻抗变化在±30%内, 电感量变化在±10%内, Q 值变化在±30%内。	预热温度 (Preheat Temperature): 100~150 °C 预热时间 (Preheat time): 60 sec. 焊接温度 (Solder Temperature): 260±10 °C 浸焊时间 (Dipping time): 10 ±0.5 sec.
可焊性	1. 至少有 85% 的端电极被焊锡覆盖。 2. 阻抗变化在±30%内, 电感量变化在±10%内, Q 值变化在±30%内。	预热温度 (Preheat Temperature): 100~150 °C 预热时间 (Preheat time): 60 sec. 焊接温度 (Solder Temperature): 260±10 °C 浸焊时间 (Dipping time): 10 ±0.5 sec.
跌落测试	1. 无机械损伤。 2. 阻抗变化在±30%内, 电感量变化在±10%内, Q 值变化在±30%内。	跌落高度 (Drop height): 1m 跌落面: 混凝土水平面
抗振性		频率 (Frequency): 10 Hz~55 Hz~10 Hz 振幅 (Amplitude): 1.5 mm 方向和时间: X/Y/Z 各振动 2 小时, 共计 6 小时
盐雾测试	1. 表面无氧化: 2. 阻抗变化在±30%内, 电感量变化在±10%内, Q 值变化在±30%内。	试验介质: 5% 氯化钠溶液。 Testing Medium: 5% Sodium Chloride Solution 试验温度 (Testing Temperature) 35±2 °C 试验持续时间 (Testing Duration) 24 hours