

# SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

## HSSFRHT SERIES

### 1. FEATURES:

Various high power inductors superior to be high saturation for surface mounting.

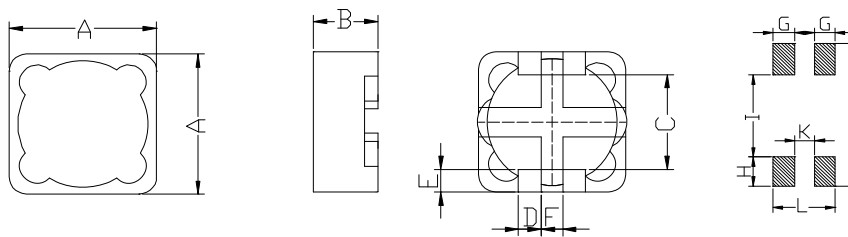
### 2. APPLICATIONS:

- (1) Power supply for VTR,OA equipment.
- (2) Digital camera, LCD television set.
- (3) Notebook PC, portable communication equipments.
- (4) DC/DC converters, etc.

### 3. PART NUMBER SYSTEM:

<b>HS-SFRHT</b>	1 2 7 T	□ □	2 2	N	R	S	L F
1	2	3	4	5	6		
SERIES NAME	DIMENSIONS	INDUCTANCE	TURN RATIO	TOLERANCE	PACKING		
		1:2.2		J:±5%,K:±10%,L:±15% M:±20%,P:±25%,N:±30%	R:Reel (卷装) B: Bulk (散装)		S:series LF:Lead Free

### 4. PHYSICAL CHARACTERISTICS:



UNIT:MM

Type	A	B(max)	C	D	E	F	G	H	I	J	K
HS-SFRHT124	12. ±0.3	4.5	7.6±0.3	2.0±0.2	2.0±0.2	1.0±0.2	2.4±0.2	2.9±0.2	7.0±0.2	12.8±0.2	0.5±0.1
HS-SFRHT125	12.2±0.3	6.0	7.6±0.3	2.0±0.2	2.0±0.2	1.0±0.2	2.4±0.2	2.9±0.2	7.0±0.2	12.8±0.2	0.5±0.2
HS-SFRHT127	12.2±0.3	8	7.6±0.3	2.0±0.2	2.0±0.2	1.0±0.2	2.4±0.2	2.9±0.2	7.0±0.2	12.8±0.2	0.5±0.2

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### 5. ELECTRICAL CHARACTERISTICS:

#### HS-SFRHT124T SERIES

Part Number	Inductance ( $\mu$ H)		DCR(max) (m $\Omega$ )		Turn Ration(L1:L2)	Rated Current (A)
	L1	L2	L1	L2		
HS-SFRHT124T-1022	10	45	38	590	1:2.2	4.0
HS-SFRHT124T-1024	10	47	39	600	1:2.4	4.0

#### HS-SFRHT125T

Part Number	Inductance ( $\mu$ H)		DCR(max) (m $\Omega$ )		Turn Ration(L1:L2)	Rated Current (A)
	L1	L2	L1	L2		
HS-SFRHT125T-5622	5.6	25.5	20	220	1:2.2	5.3
HS-SFRHT125T-5822	5.8	32	21	250	1:2.2	5
HS-SFRHT125T-8220	8.2	32.0	22	260	1:2.0	4.7
HS-SFRHT125T-8222	8.2	35	22	270	1:2.2	4.7
HS-SFRHT125T-1014	10.0	21.0	27	182	1:1.4	4.3
HS-SFRHT125T-1015	10	25	27	220	1:1.5	4.3
HS-SFRHT125T-1022	10.0	45.0	27	300	1:2.2	4.3
HS-SFRHT125T-1220	12	45	30	300	1:2.0	4.0

#### HS-SFRHT127T

Part Number	Inductance ( $\mu$ H)		DCR(max) (m $\Omega$ )		Turn Ration(L1:L2)	Rated Current (A)
	L1	L2	L1	L2		
HSSFRHT127S-7622N	7.6	38	22	300	1:2.2	7.0
HSSFRHT127S-1022N	10	45	30	200	1:2.2	4.5
HSSFRHT127S-1024N	10	178	30	650	1:2.2	4.5

◆The rated current indicates the value of current when the L1 inductance is 25% lower than its initial value at D.C superposition current when  $\Delta t=45^{\circ}\text{C}$ ,