

# SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

## HSSFRH SERIES

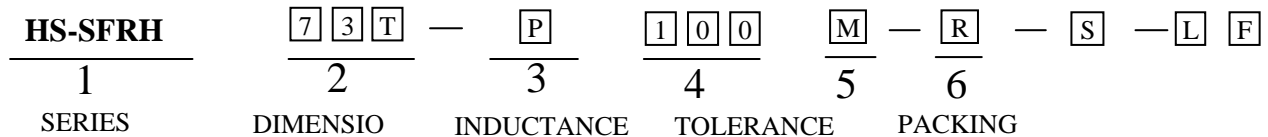
### 1. FEATURES:

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

### 2. APPLICATIONS:

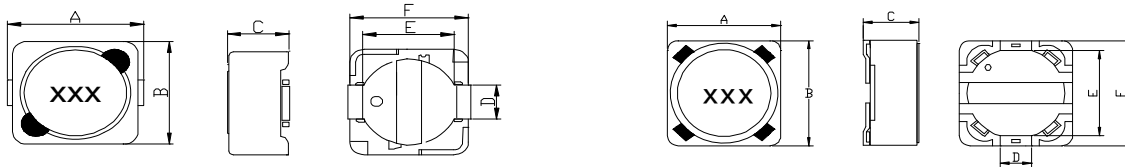
- (1) Power supply for VTR,OA equipment.
- (2) Digital camera, LCD television set.
- (3) Notebook PC, portable communication equipments.
- (4) DC/DC converters, etc.

### 3. PART NUMBER SYSTEM:



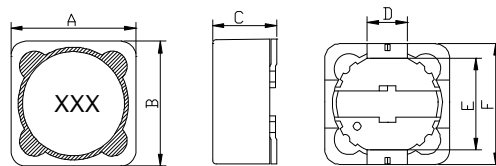
P-With pot (有磁罐)      J:±5%,K:±10%,L:±15%      R:Tape&Reel (卷装)      S:series (系列)  
 □-NG (无磁罐)      M:±20%,P:±25%,N:±30%      B:In Bulk (散装)      LF:Lead Free (无铅)

### 4. PHYSICAL CHARACTERISTICS:



HS-SFRH63T/65T

HS-SFRH65P/73T/73P/74T



HS-SFRH123T/124T/125T/127T

UNIT : mm

Type	A	B	C	D	E	F
HS-SFRH63T	6.2±0.3	6.6±0.3	3.0max	1.5±0.5	5.9±0.5	6.6±0.5
HS-SFRH65T	6.2±0.3	6.6±0.3	5.0max	1.5±0.5	5.9±0.5	6.6±0.5
HS-SFRH65P	5.9±0.3	5.9±0.3	5.0max	1.5±0.2	5.9±0.3	6.6±0.3
HS-SFRH73T	7.3±0.3	7.3±0.3	3.5max	1.8±0.5	5.4±0.5	7.2±0.5
HS-SFRH73P	7.3±0.2	7.3±0.2	3.6max	1.8(ref)		
HS-SFRH74T	7.3±0.3	7.3±0.3	4.5max	1.8±0.5	4.5±0.5	7.2±0.5
HS-SFRH123T	12±0.3	12±0.3	4.0max	5.0±0.2	7.8±0.5	11.8±0.5
HS-SFRH124T	12±0.3	12±0.3	4.5max	5.0±0.5	7.8±0.5	11.8±0.5
HS-SFRH125T	12±0.3	12±0.3	6.0max	5.0±0.2	7.6±0.2	11.8±0.5
HS-SFRH127T	12±0.3	12±0.3	8.0max	5.0±0.5	7.6±0.2	11.8±0.2

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## HSSFRH SERIES

### 5. ELECTRICAL CHARACTERISTICS:

#### HS-SFRH63T SERIES

Part Number	Inductance ( $\mu$ H)	DCR(max) ( $\Omega$ )	IDC(A) (max) $\Delta L/L=-25\%;\Delta t=40^{\circ}\text{C}$	Test Freq.
HS-SFRH63T-2R9N	2.9	0.07	1.94	100KHz
HS-SFRH63T-4R0N	4.0	0.08	1.63	100KHz
HS-SFRH63T-5R5N	5.5	0.10	1.40	100KHz
HS-SFRH63T-100M	10	0.15	1.10	1KHz
HS-SFRH63T-120M	12	0.20	1.00	1KHz
HS-SFRH63T-150M	15	0.23	0.90	1KHz
HS-SFRH63T-180M	18	0.27	0.80	1KHz
HS-SFRH63T-220M	22	0.34	0.74	1KHz
HS-SFRH63T-270M	27	0.38	0.66	1KHz
HS-SFRH63T-330M	33	0.45	0.59	1KHz
HS-SFRH63T-390M	39	0.49	0.54	1KHz
HS-SFRH63T-470M	47	0.69	0.50	1KHz
HS-SFRH63T-560M	56	0.78	0.46	1KHz
HS-SFRH63T-680M	68	1.07	0.42	1KHz
HS-SFRH63T-820M	82	1.21	0.38	1KHz
HS-SFRH63T-101M	100	1.39	0.34	1KHz
HS-SFRH63T-121M	120	1.90	0.31	1KHz
HS-SFRH63T-151M	150	2.18	0.28	1KHz
HS-SFRH63T-181M	180	2.48	0.26	1KHz
HS-SFRH63T-221M	220	3.12	0.23	1KHz
HS-SFRH63T-271M	270	4.30	0.22	1KHz
HS-SFRH63T-331M	330	4.94	0.19	1KHz

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## HSSFRH SERIES

### HS-SFRH65T

Part Number	Inductance ( $\mu$ H)	DCR(max) ( $\Omega$ )	IDC(A) (max) $\Delta L/L=-25\%;\Delta t=40^{\circ}\text{C}$	Test Freq.
HS-SFRH65T-100M	10	0.12	1.35	1KHz
HS-SFRH65T-120M	12	0.13	1.22	1KHz
HS-SFRH65T-150M	15	0.18	1.11	1KHz
HS-SFRH65T-180M	18	0.24	1.02	1KHz
HS-SFRH65T-220M	22	0.27	0.91	1KHz
HS-SFRH65T-270M	27	0.30	0.82	1KHz
HS-SFRH65T-330M	33	0.33	0.74	1KHz
HS-SFRH65T-390M	39	0.37	0.69	1KHz
HS-SFRH65T-470M	47	0.52	0.62	1KHz
HS-SFRH65T-560M	56	0.56	0.58	1KHz
HS-SFRH65T-680M	68	0.63	0.51	1KHz
HS-SFRH65T-820M	82	0.71	0.46	1KHz
HS-SFRH65T-101M	100	1.03	0.42	1KHz
HS-SFRH65T-121M	120	1.15	0.38	1KHz
HS-SFRH65T-151M	150	1.68	0.35	1KHz
HS-SFRH65T-181M	180	1.87	0.32	1KHz
HS-SFRH65T-221M	220	2.08	0.29	1KHz
HS-SFRH65T-271M	270	2.37	0.26	1KHz
HS-SFRH65T-331M	330	2.67	0.23	1KHz
HS-SFRH65T-391M	390	2.94	0.22	1KHz
HS-SFRH65T-471M	470	3.93	0.20	1KHz
HS-SFRH65T-561M	560	5.43	0.18	1KHz
HS-SFRH65T-681M	680	7.32	0.17	1KHz
HS-SFRH65T-821M	820	8.24	0.15	1KHz
HS-SFRH65T-102M	1000	9.26	0.14	1KHz

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## HSSFRH SERIES

### HS-SFRH65P SERIES

Part Number	Inductance ( $\mu$ H)	DCR(max) ( $\Omega$ )	IDC(A) (max) $\Delta L/L=-25\%;\Delta t=40^{\circ}\text{C}$	Test Freq.
HS-SFRH65P-100N	10	0.12	1.32	1KHz
HS-SFRH65P-120N	12	0.13	1.16	1KHz
HS-SFRH65P-150N	15	0.14	1.09	1KHz
HS-SFRH65P-180N	18	0.15	1.00	1KHz
HS-SFRH65P-220N	22	0.18	0.92	1KHz
HS-SFRH65P-270N	27	0.24	0.82	1KHz
HS-SFRH65P-330N	33	0.27	0.73	1KHz
HS-SFRH65P-390N	39	0.31	0.67	1KHz
HS-SFRH65P-470N	47	0.38	0.61	1KHz
HS-SFRH65P-560N	56	0.44	0.58	1KHz
HS-SFRH65P-680N	68	0.49	0.50	1KHz
HS-SFRH65P-820N	82	0.59	0.46	1KHz
HS-SFRH65P-101N	100	0.66	0.38	1KHz
HS-SFRH65P-121N	120	0.73	0.37	1KHz
HS-SFRH65P-151N	150	1.27	0.34	1KHz
HS-SFRH65P-181N	180	0.42	0.30	1KHz
HS-SFRH65P-221N	220	1.52	0.27	1KHz
HS-SFRH65P-271N	270	2.30	0.25	1KHz
HS-SFRH65P-331N	330	2.62	0.22	1KHz
HS-SFRH65P-391N	390	2.88	0.20	1KHz

# SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

## HSSFRH SERIES

### HS-SFRH73T SERIES

Part Number	Inductance ( $\mu$ H)	DCR(max) ( $\Omega$ )	IDC(A) (max) $\Delta L/L=-25\%;\Delta t=40^{\circ}\text{C}$	Test Freq.
HS-SFRH73T-100M	10	0.072	1.68	100KHz
HS-SFRH73T-120M	12	0.098	1.52	100KHz
HS-SFRH73T-150M	15	0.13	1.33	100KHz
HS-SFRH73T-180M	18	0.14	1.20	100KHz
HS-SFRH73T-220M	22	0.19	1.07	100KHz
HS-SFRH73T-270M	27	0.21	0.96	100KHz
HS-SFRH73T-330M	33	0.24	0.91	100KHz
HS-SFRH73T-390M	39	0.32	0.77	100KHz
HS-SFRH73T-470M	47	0.36	0.76	100KHz
HS-SFRH73T-560M	56	0.47	0.68	100KHz
HS-SFRH73T-680M	68	0.52	0.61	100KHz
HS-SFRH73T-820M	82	0.69	0.57	100KHz
HS-SFRH73T-101M	100	0.79	0.50	100KHz
HS-SFRH73T-121M	120	0.89	0.49	1KHz
HS-SFRH73T-151M	150	1.27	0.43	1KHz
HS-SFRH73T-181M	180	1.45	0.39	1KHz
HS-SFRH73T-221M	220	1.65	0.35	1KHz
HS-SFRH73T-271M	270	2.31	0.32	1KHz
HS-SFRH73T-331M	330	2.62	0.28	1KHz
HS-SFRH73T-391M	390	2.94	0.26	1KHz
HS-SFRH73T-471M	470	4.18	0.24	1KHz
HS-SFRH73T-561M	560	4.67	0.22	1KHz
HS-SFRH73T-681M	680	5.73	0.19	1KHz
HS-SFRH73T-821M	820	6.54	0.18	1KHz
HS-SFRH73T-102M	1000	9.44	0.16	1KHz

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## HSSFRH SERIES

### HS-SFRH73P SERIES

Part Number	Inductance (μH)	DCR(max) (Ω)	IDC(A) (max) ΔL/L=-25%;Δt=40℃	Test Freq.
HS-SFRH73P-100N	10	0.09	1.40	1KHz
HS-SFRH73P-100N	12	0.10	1.30	1KHz
HS-SFRH73P-100N	15	0.13	1.20	1KHz
HS-SFRH73P-100N	18	0.15	1.10	1KHz
HS-SFRH73P-100N	22	0.17	1.00	1KHz
HS-SFRH73P-270N	27	0.21	0.88	1KHz
HS-SFRH73P-330N	33	0.24	0.80	1KHz
HS-SFRH73P-390N	39	0.31	0.75	1KHz
HS-SFRH73P-470N	47	0.35	0.67	1KHz
HS-SFRH73P-560N	56	0.40	0.62	1KHz
HS-SFRH73P-680N	68	0.52	0.54	1KHz
HS-SFRH73P-820N	82	0.60	0.52	1KHz
HS-SFRH73P-101N	100	0.70	0.46	1KHz
HS-SFRH73P-121N	120	0.82	0.42	1KHz
HS-SFRH73P-151N	150	1.35	0.37	1KHz
HS-SFRH73P-181N	180	1.50	0.33	1KHz
HS-SFRH73P-221N	220	1.70	0.30	1KHz
HS-SFRH73P-271N	270	1.90	0.28	1KHz
HS-SFRH73P-331N	330	2.80	0.25	1KHz
HS-SFRH73P-391N	390	3.00	0.22	1KHz
HS-SFRH73P-471N	470	3.50	0.20	1KHz

# SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

## HSSFRH SERIES

### HS-SFRH74T SERIES

Part Number	Inductance (μH)	DCR(max) (Ω)	IDC(A) (max) Δ L/L=-25%;Δt=40°C	Test Freq.
HS-SFRH74T-100M	10	0.049	1.84	100KHz
HS-SFRH74T-120M	12	0.058	1.71	100KHz
HS-SFRH74T-150M	15	0.081	1.47	100KHz
HS-SFRH74T-180M	18	0.091	1.31	100KHz
HS-SFRH74T-220M	22	0.110	1.23	100KHz
HS-SFRH74T-270M	27	0.150	1.12	100KHz
HS-SFRH74T-330M	33	0.170	0.96	100KHz
HS-SFRH74T-390M	39	0.230	0.91	100KHz
HS-SFRH74T-470M	47	0.260	0.88	100KHz
HS-SFRH74T-560M	56	0.350	0.75	100KHz
HS-SFRH74T-680M	68	0.380	0.69	100KHz
HS-SFRH74T-820M	82	0.430	0.61	100KHz
HS-SFRH74T-101M	100	0.610	0.60	100KHz
HS-SFRH74T-121M	120	0.660	0.52	100KHz
HS-SFRH74T-151M	150	0.880	0.46	100KHz
HS-SFRH74T-181M	180	0.980	0.42	100KHz
HS-SFRH74T-221M	220	1.170	0.36	100KHz
HS-SFRH74T-271M	270	1.640	0.34	100KHz
HS-SFRH74T-331M	330	1.860	0.32	100KHz
HS-SFRH74T-391M	390	2.850	0.29	100KHz
HS-SFRH74T-471M	470	3.010	0.26	100KHz
HS-SFRH74T-561M	560	3.620	0.23	100KHz
HS-SFRH74T-681M	680	4.630	0.22	100KHz
HS-SFRH74T-821M	820	5.200	0.20	100KHz
HS-SFRH74T-102M	1000	6.000	0.18	100KHz

# SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

## HSSFRH SERIES

### HS-SFRH123T

Part Number	Inductance (μH)	DCR(max) (Ω)	IDC(A) (max) ΔL/L=-25%;Δt=40℃	Test Freq.
HS-SFRH123T-100M	10.00	0.05	4.0	100KHz
HS-SFRH123T-120M	12.00	0.054	3.85	100KHz
HS-SFRH123T-150M	15.00	0.06	3.60	100KHz
HS-SFRH123T-180M	18.00	0.09	3.4	100KHz
HS-SFRH123T-220M	22.00	0.10	3.2	100KHz
HS-SFRH123T-270M	27.00	0.114	3.0	100KHz
HS-SFRH123T-330M	33.00	0.156	2.50	100KHz
HS-SFRH123T-390M	39.00	0.188	2.35	100KHz
HS-SFRH123T-470M	47.00	0.22	2.30	100KHz
HS-SFRH123T-560M	56.00	0.26	2.20	100KHz
HS-SFRH123T-680M	68.00	0.28	1.80	100KHz
HS-SFRH123T-820M	82.00	0.38	1.70	100KHz
HS-SFRH123T-101M	100.0	0.44	1.66	100KHz
HS-SFRH123T-121M	120.0	0.48	1.50	100KHz
HS-SFRH123T-151M	150.0	0.66	1.40	100KHz
HS-SFRH123T-181M	180.0	0.86	1.20	100KHz
HS-SFRH123T-221M	220.0	1.00	1.00	100KHz
HS-SFRH123T-271M	270.0	1.1	0.85	100KHz
HS-SFRH123T-331M	330.0	1.40	0.70	100KHz
HS-SFRH123T-391M	390.0	1.6	0.60	100KHz
HS-SFRH123T-471M	470.0	1.80	0.50	100KHz



# SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

## HSSFRH SERIES

### HS-SFRH124T

Part Number	Inductance ( $\mu$ H)	DCR(max) ( $\Omega$ )	IDC(A) (max) $\Delta L/L=-25\%;\Delta t=40^{\circ}\text{C}$	Test Freq.
HS-SFRH124T-3R9N	3.9	0.015	6.50	100KHz
HS-SFRH124T-4R7N	4.7	0.018	5.70	100KHz
HS-SFRH124T-6R8N	6.8	0.023	4.90	100KHz
HS-SFRH124T-8R2N	8.2	0.026	4.60	100KHz
HS-SFRH124T-100M	10.0	0.028	4.50	100KHz
HS-SFRH124T-120M	12	0.038	4.00	100KHz
HS-SFRH124T-150M	15	0.050	3.20	100KHz
HS-SFRH124T-180M	18	0.057	3.10	100KHz
HS-SFRH124T-220M	22	0.066	2.90	100KHz
HS-SFRH124T-270M	27	0.080	2.80	100KHz
HS-SFRH124T-330M	33	0.097	2.70	100KHz
HS-SFRH124T-390M	39	0.132	2.10	100KHz
HS-SFRH124T-470M	47	0.140	1.90	100KHz
HS-SFRH124T-560M	56	0.190	1.80	100KHz
HS-SFRH124T-680M	68	0.220	1.50	100KHz
HS-SFRH124T-820M	82	0.260	1.30	100KHz
HS-SFRH124T-101M	100	0.308	1.20	100KHz
HS-SFRH124T-121M	120	0.380	1.10	100KHz
HS-SFRH124T-151M	150	0.530	0.95	100KHz
HS-SFRH124T-181M	180	0.620	0.85	100KHz
HS-SFRH124T-221M	220	0.700	0.80	100KHz
HS-SFRH124T-271M	270	0.870	0.60	100KHz
HS-SFRH124T-331M	330	0.990	0.50	100KHz

# SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

## HSSFRH SERIES

### HS-SFRH125T SERIES

Part Number	Inductance ( $\mu$ H)	DCR(max) ( $\Omega$ )	IDC(A) (max) $\Delta L/L=-25\%;\Delta t=40^{\circ}\text{C}$	Test Freq.
HS-SFRH125T-1R3N	1.3	0.012	8.00	7.96MHz
HS-SFRH125T-1R3N	2.1	0.014	7.00	7.96MHz
HS-SFRH125T-1R3N	3.1	0.017	6.00	7.96MHz
HS-SFRH125T-4R4N	4.4	0.020	5.00	7.96MHz
HS-SFRH125T-5R8N	5.8	0.021	4.40	7.96MHz
HS-SFRH125T-7R5N	7.5	0.024	4.20	7.96MHz
HS-SFRH125T-100M	10	0.025	4.00	7.96MHz
HS-SFRH125T-120M	12	0.027	3.50	1KHz
HS-SFRH125T-150M	15	0.030	3.30	1KHz
HS-SFRH125T-180M	18	0.034	3.00	1KHz
HS-SFRH125T-220M	22	0.036	2.80	1KHz
HS-SFRH125T-270M	27	0.051	2.30	1KHz
HS-SFRH125T-330M	33	0.057	2.10	1KHz
HS-SFRH125T-390M	39	0.068	2.00	1KHz
HS-SFRH125T-470M	47	0.075	1.80	1KHz
HS-SFRH125T-560M	56	0.110	1.70	1KHz
HS-SFRH125T-680M	68	0.120	1.50	1KHz
HS-SFRH125T-820M	82	0.140	1.40	1KHz
HS-SFRH125T-101M	100	0.160	1.30	1KHz
HS-SFRH125T-121M	120	0.170	1.10	1KHz
HS-SFRH125T-151M	150	0.230	1.00	1KHz
HS-SFRH125T-181M	180	0.290	0.90	1KHz
HS-SFRH125T-221M	220	0.400	0.80	1KHz
HS-SFRH125T-271M	270	0.460	0.75	1KHz
HS-SFRH125T-331M	330	0.510	0.68	1KHz
HS-SFRH125T-391M	390	0.690	0.65	1KHz
HS-SFRH125T-471M	470	0.770	0.58	1KHz

# SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

## HSSFRH SERIES

HS-SFRH125T-561M	560	0.860	0.54	1KHz
HS-SFRH125T-681M	680	1.200	0.48	1KHz
HS-SFRH125T-821M	820	1.340	0.43	1KHz
HS-SFRH125T-102M	1000	1.530	0.40	1KHz

# SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

## HSSFRH SERIES

### HS-SFRH127T SERIES

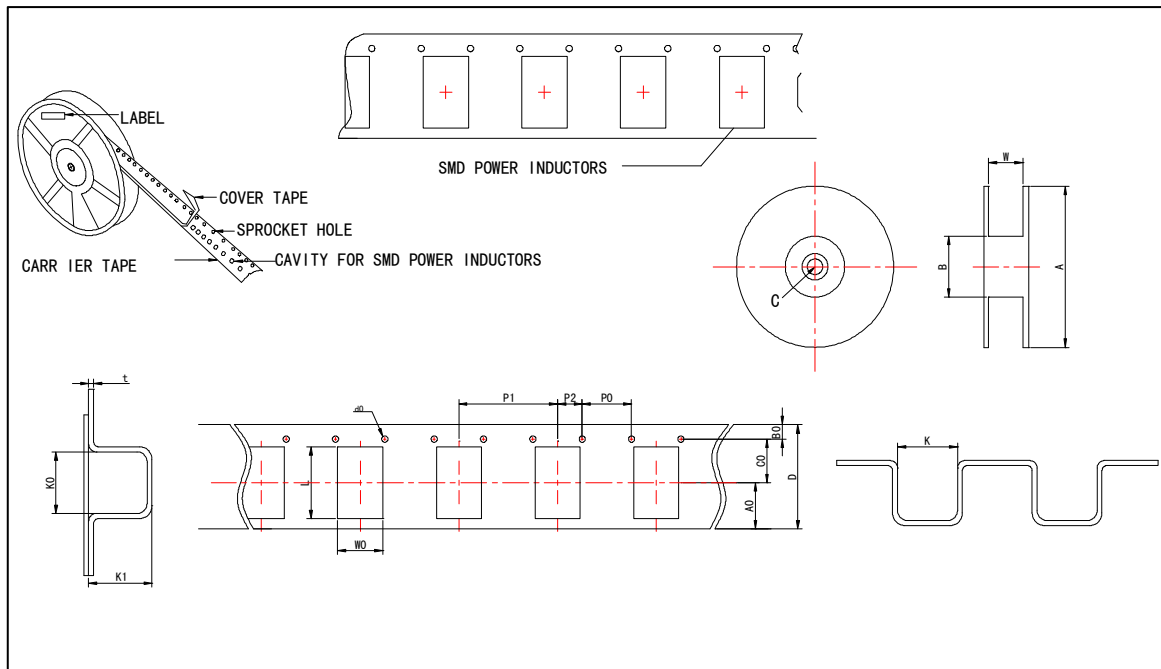
Part Number	Inductance (μH)	DCR(max) (Ω)	IDC(A) (max) ΔL/L=-25%;Δt=40℃	Test Freq.
HS-SFRH127T-1R2N	1.2	0.007	9.80	100KHz
HS-SFRH127T-2R4N	2.4	0.012	8.00	100KHz
HS-SFRH127T-3R5N	3.5	0.014	7.50	100KHz
HS-SFRH127T-4R7N	4.7	0.016	6.80	100KHz
HS-SFRH127T-6R1N	6.1	0.018	6.60	100KHz
HS-SFRH127T-7R6N	7.6	0.020	5.90	100KHz
HS-SFRH127T-100M	10.0	0.022	5.40	1KHz
HS-SFRH127T-120M	12	0.024	4.90	1KHz
HS-SFRH127T-150M	15.0	0.030	4.50	1KHz
HS-SFRH127T-180M	18	0.039	3.90	1KHz
HS-SFRH127T-220M	22.0	0.043	3.60	1KHz
HS-SFRH127T-270M	27	0.046	3.40	1KHz
HS-SFRH127T-330M	33.0	0.065	3.00	1KHz
HS-SFRH127T-390M	39	0.073	2.75	1KHz
HS-SFRH127T-470M	47.0	0.100	2.50	1KHz
HS-SFRH127T-560M	56	0.110	2.35	1KHz
HS-SFRH127T-680M	68.0	0.140	2.10	1KHz
HS-SFRH127T-820M	82	0.160	1.95	1KHz
HS-SFRH127T-101M	100.0	0.220	1.70	1KHz
HS-SFRH127T-121M	120	0.250	1.60	1KHz
HS-SFRH127T-151M	150.0	0.280	1.42	1KHz
HS-SFRH127T-181M	180	0.350	1.30	1KHz
HS-SFRH127T-221M	220.0	0.390	1.16	1KHz
HS-SFRH127T-271M	270	0.560	1.06	1KHz
HS-SFRH127T-331M	330.0	0.640	0.95	1KHz
HS-SFRH127T-391M	390	0.700	0.88	1KHz
HS-SFRH127T-471M	470.0	0.980	0.79	1KHz

# SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

## HSSFRH SERIES

HS-SFRH127T-561M	560	1.07	0.73	1KHz
HS-SFRH127T-681M	680.0	1.460	0.67	1KHz
HS-SFRH127T-821M	820	1.64	0.60	1KHz
HS-SFRH127T-102M	1000.0	1.820	0.55	1KHz

## HSSFRH SERIES



### ● Reel Dimensions & Packing Unit

UNIT:mm

Part Number	Dimensions of Reel				Packaging Unit
	A	B	C	W	
HS-SFRH63T	330	100.0±2.00	13.50±0.50	16.0±0.50	1500pcs/r
HS-SFRH65T/65P	330	100.0±2.00	13.50±0.50	16.0±0.50	1500pcs/r
HS-SFRH73T/73P/74T	330	100.0±2.00	13.50±0.50	16.0±0.50	1000pcs/r
HS-SFRH123T	330	100.0±2.00	13.50±0.50	24.0±0.50	500pcs/r
HS-SFRH124T	330	100.0±2.00	13.50±0.50	24.0±0.50	500pcs/r
HS-SFRH125T	330	100.0±2.00	13.50±0.50	24.0±0.50	400pcs/r
HS-SFRH127T	330	100.0±2.00	13.50±0.50	24.0±0.50	400pcs/r

# SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

## HSSFRH SERIES

### ● Carrier Tape Dimensions

UNIT:mm

Sym	HS-SFRH63T	HS-SFRH65T/65P	HS-SFRH73T/73P/74T	HS-SFRH123T	HS-SFRH124T	HS-SFRH125T	HS-SFRH127T
A0	6.75±0.10	6.75±0.10	6.75±0.10	10.75±0.10	10.75±0.10	10.75±0.10	10.75±0.10
B0	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10
C0	7.50±0.10	7.50±0.10	7.50±0.10	11.50±0.10	11.50±0.10	11.50±0.10	11.50±0.10
D	16.00±0.30	16.00±0.30	16.00±0.30	24.00±0.30	24.00±0.30	24.00±0.30	24.00±0.30
K	6.70±0.20	6.70±0.20	8.00±0.20	12.55±0.20	12.55±0.20	12.55±0.20	12.55±0.20
K0	7.10±0.20	7.10±0.20	8.00±0.20	12.55±0.10	12.55±0.10	12.55±0.10	12.55±0.10
K1	3.20±0.10	3.20±0.10	3.7/3.8/4.1±0.10	5.05±0.10	5.05±0.10	6.10±0.10	8.1±0.10
L	7.50±0.20	7.50±0.20	8.40±0.20	13.00±0.20	13.00±0.20	13.00±0.20	13.00±0.20
W0	7.10±0.20	7.10±0.20	8.40±0.20	13.00±0.20	13.00±0.20	13.00±0.20	13.00±0.20
P0	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10
P1	12.00±0.10	12.00±0.10	12.00±0.10	16.00±0.10	16.00±0.10	16.00±0.10	16.00±0.10
P2	2.00±0.05	2.00±0.05	2.00±0.05	2.00±0.05	2.00±0.05	2.00±0.05	2.00±0.05
d0	1.55±0.05	1.55±0.05	1.55±0.05	1.55±0.05	1.55±0.05	1.55±0.05	1.55±0.05
t	0.40±0.05	0.40±0.05	0.40±0.05	0.40±0.05	0.40±0.05	0.40±0.05	0.40±0.05