



## SMD Shielded Power Inductors - HSLF Series-CA

### FEATURES

- \* RoHS, Halogen Free and REACH Compliance
- \* Magnetic shielded
- \* Various package size and wide inductance range



### ORDERING CODE(标志示例)

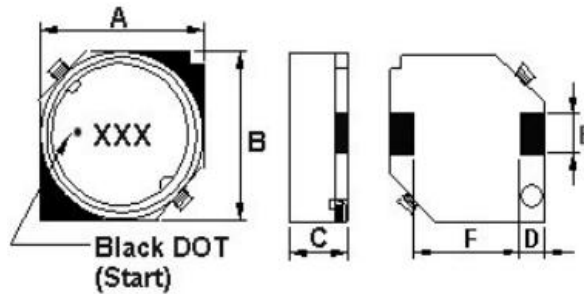
**HSLF**    □□□□    -    □□□    □    -    **CA**

(1)                    (2)                    (3)                    (4)                    (5)

- (1) HSLF 向华料号 Part Number
- (2) 尺寸 Dimensions
- (3) 电感量 Inductance
- (4) 电感量公差 Inductance Tolerance
- (5) 尾码 Tail code

### Shape and Dimensions

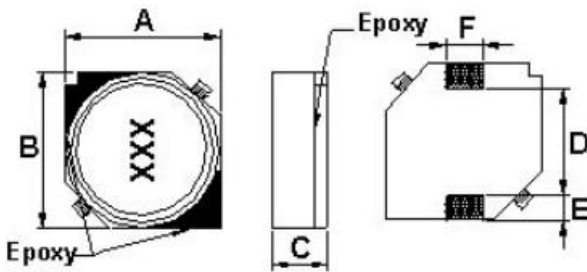
#### HSLF 0628



Dimensions in mm

TYPE	A	B	C	D	E	F
HSLF0628-CA	6.0±0.2	6.0±0.2	2.8±0.2	1.5typ	2.0±0.1	3.0typ

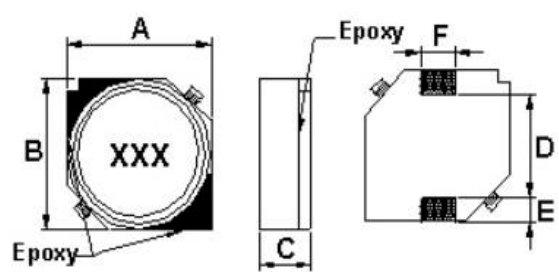
#### HSLF0728/0730/0732/0745



Dimensions in mm

TYPE	A	B	C	D	E	F
HSLF0728-CA	7.0±0.2	7.0±0.2	2.8±0.2	4.9typ	0.9typ	2.0typ
HSLF0730-CA	7.0±0.2	7.0±0.2	3.0±0.2	4.9typ	0.9typ	2.0typ
HSLF0732-CA	7.0±0.2	7.0±0.2	3.2±0.2	4.9typ	0.9typ	2.0typ
HSLF0745-CA	7.0±0.2	7.0±0.2	4.5±0.2	4.9typ	0.9typ	2.0typ

#### HSLF0755



Dimensions in mm

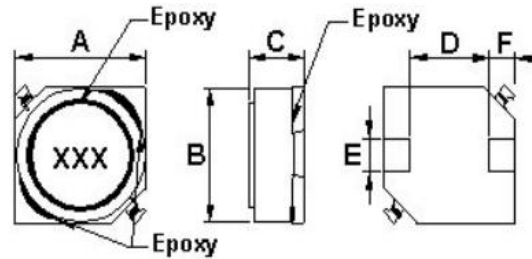
TYPE	A	B	C	D	E	F
HSLF0755-CA	7.0±0.2	7.0±0.2	5.5±0.2	4.9typ	0.9typ	2.0typ



## SMD Shielded Power Inductors - HSLF Series-CA

### Shape and Dimensions

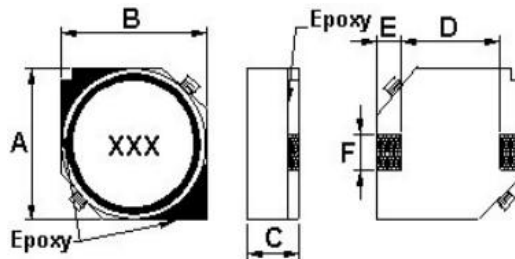
#### HSLF1045/ 1055



Dimensions in mm

TYPE	A	B	C	D	E	F
HSLF1045-CA	10.1±0.3	10.1±0.3	4.5±0.3	6.0typ	3.0typ	2.0typ
HSLF1055-CA	10.1±0.3	10.1±0.3	5.5±0.3	6.0typ	3.0typ	2.0typ

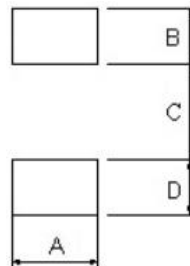
#### HSLF 1255/ 1265/ 1275



Dimensions in mm

TYPE	A	B	C	D	E	F
HSLF1255-CA	12.5±0.3	12.5±0.3	5.5±0.3	8.6typ	2.0typ	3.0typ
HSLF1265-CA	12.5±0.3	12.5±0.3	6.5±0.35	8.6typ	2.0typ	3.0typ
HSLF1275-CA	12.5±0.3	12.5±0.3	7.5±0.35	8.6typ	2.0typ	3.0typ

### Recommended Pattern



Dimensions in mm

TYPE	A	B	C	D
HSLF0628-CA	2.2	1.5	4.0	1.5
HSLF0728-CA	2.2	1.5	4.9	1.5
HSLF0730-CA	2.2	1.5	4.9	1.5
HSLF0732-CA	2.2	1.5	4.9	1.5
HSLF0745-CA	2.2	1.5	4.9	1.5
HSLF0755-CA	2.2	1.5	4.9	1.5
HSLF1045-CA	3.2	2.5	5.6	2.5
HSLF1055-CA	3.2	2.5	5.6	2.5
HSLF1255-CA	3.2	2.5	8.6	2.5
HSLF1265-CA	3.2	2.5	8.6	2.5
HSLF1275-CA	3.2	2.5	8.6	2.5



## SMD Shielded Power Inductors - HSLF0628 Series-CA

### HSLF0628 series Electrical Characteristics

Part No.	Inductance ( $\mu$ H)	Tolerance ( $\pm$ %)	Test Freq.	RDC (m $\Omega$ )max	Isat (A)	Irms (A) Max	Marking
HSLF0628T-4R7M-CA	4.7	20	1KHz,0.5V	34.08	1.60	2.50	4R7
HSLF0628T-6R8M-CA	6.8	20	1KHz,0.5V	42.48	1.50	2.20	6R8
HSLF0628T-100M-CA	10	20	1KHz,0.5V	63.84	1.30	1.80	100
HSLF0628T-150M-CA	15	20	1KHz,0.5V	89.4	1.00	1.40	150
HSLF0628T-220M-CA	22	20	1KHz,0.5V	124.8	0.77	1.30	220
HSLF0628T-330M-CA	33	20	1KHz,0.5V	177.6	0.69	1.10	330
HSLF0628T-470M-CA	47	20	1KHz,0.5V	252	0.59	0.92	470
HSLF0628T-680M-CA	68	20	1KHz,0.5V	348	0.50	0.78	680
HSLF0628T-101M-CA	100	20	1KHz,0.5V	504	0.42	0.64	101

**Note: When ordering, please specify tolerance code. Tolerance: M= $\pm$ 20%**

- Operating temperature range—40°C~125°C(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 25°C temperature rise from 25°C ambient with current



## SMD Shielded Power Inductors - HSLF0728 Series-CA

### HSLF0728 series Electrical Characteristics

Part No.	Inductance ( $\mu$ H)	Tolerance ( $\pm$ %)	Test Freq.	RDC (m $\Omega$ )max	Isat (A)	Marking
HSLF0728T-2R2M-N-CA	2.2	20	1KHz,0.5V	38.4	1.80	2R2
HSLF0728T-3R3M-N-CA	3.3	20	1KHz,0.5V	44.4	1.60	3R3
HSLF0728T-4R7M-N-CA	4.7	20	1KHz,0.5V	54	1.50	4R7
HSLF0728T-5R0M-N-CA	5.0	20	1KHz,0.5V	54	2.40	5R0
HSLF0728T-6R8M-N-CA	6.8	20	1KHz,0.5V	70.8	1.30	6R8
HSLF0728T-8R2M-N-CA	8.2	20	1KHz,0.5V	78	1.10	8R2
HSLF0728T-100M-N-CA	10	20	1KHz,0.5V	99.6	1.10	100
HSLF0728T-150M-N-CA	15	20	1KHz,0.5V	156	0.88	150
HSLF0728T-220M-N-CA	22	20	1KHz,0.5V	216	0.75	220
HSLF0728T-330M-N-CA	33	20	1KHz,0.5V	288	0.65	330
HSLF0728T-470M-N-CA	47	20	1KHz,0.5V	408	0.54	470

**Note:** When ordering, please specify tolerance code. Tolerance: M= $\pm$ 20%

- Operating temperature range  $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$  (Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current



## SMD Shielded Power Inductors - HSLF0730 Series-CA

### HSLF0730 series Electrical Characteristics

Part No.	Inductance ( $\mu$ H)	Tolerance ( $\pm$ %)	Test Freq.	RDC (m $\Omega$ )max	Isat (A)	Marking
HSLF0730T-3R3M-CA	3.3	20	1KHz,0.5V	27.6	1.80	3R3
HSLF0730T-4R7M-CA	4.7	20	1KHz,0.5V	43.2	1.60	4R7
HSLF0730T-6R8M-CA	6.8	20	1KHz,0.5V	49.2	1.50	6R8
HSLF0730T-100M-CA	10	20	1KHz,0.5V	72	1.30	100
HSLF0730T-150M-CA	15	20	1KHz,0.5V	100.8	1.00	150
HSLF0730T-220M-CA	22	20	1KHz,0.5V	180	0.86	220
HSLF0730T-330M-CA	33	20	1KHz,0.5V	192	0.65	330
HSLF0730T-470M-CA	47	20	1KHz,0.5V	288	0.57	470
HSLF0730T-680M-CA	68	20	1KHz,0.5V	372	0.49	680
HSLF0730T-101M-CA	100	20	1KHz,0.5V	540	0.35	101

**Note: When ordering, please specify tolerance code. Tolerance: M= $\pm$ 20%**

- Operating temperature range  $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$  (Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current



## SMD Shielded Power Inductors - HSLF0732 Series-CA

### HSLF0732 series Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (±%)	Test Freq.	RDC (mΩ)max	Isat (A)	Marking
HSLF0732T-2R2M-CA	2.2	20	1KHz,0.5V	21.6	2.10	2R2
HSLF0732T-3R3M-CA	3.3	20	1KHz,0.5V	27.6	1.90	3R3
HSLF0732T-4R7M-CA	4.7	20	1KHz,0.5V	43.2	1.70	4R7
HSLF0732T-6R8M-CA	6.8	20	1KHz,0.5V	49.2	1.60	6R8
HSLF0732T-100M-CA	10	20	1KHz,0.5V	63.6	1.40	100
HSLF0732T-150M-CA	15	20	1KHz,0.5V	90	1.10	150
HSLF0732T-220M-CA	22	20	1KHz,0.5V	132	0.96	220
HSLF0732T-330M-CA	33	20	1KHz,0.5V	192	0.75	330
HSLF0732T-470M-CA	47	20	1KHz,0.5V	288	0.67	470
HSLF0732T-680M-CA	68	20	1KHz,0.5V	372	0.59	680
HSLF0732T-101M-CA	100	20	1KHz,0.5V	540	0.45	101
HSLF0732T-151M-CA	150	20	1KHz,0.5V	780	0.37	151
HSLF0732T-221M-CA	220	20	1KHz,0.5V	1260	0.29	221
HSLF0732T-331M-CA	330	20	1KHz,0.5V	2004	0.22	331
HSLF0732T-471M-CA	470	20	1KHz,0.5V	2460	0.20	471
HSLF0732T-681M-CA	680	20	1KHz,0.5V	3780	0.16	681
HSLF0732T-102M-CA	1000	20	1KHz,0.5V	5736	0.13	102

**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

- Operating temperature range—40°C~125°C(Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current



## SMD Shielded Power Inductors - HSLF0745 Series-CA

### HSLF0745 series Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (±%)	Test Freq.	RDC (mΩ)max	Isat (A)	Irms (A)Max	Marking
HSLF0745T-3R3M-CA	3.3	20	1KHz,0.5V	24	2.50	2.30	3R3
HSLF0745T-4R7M-CA	4.7	20	1KHz,0.5V	36	2.00	2.00	4R7
HSLF0745T-6R8M-CA	6.8	20	1KHz,0.5V	46.8	1.70	1.74	6R8
HSLF0745T-100M-CA	10	20	1KHz,0.5V	43.2	1.30	1.78	100
HSLF0745T-150M-CA	15	20	1KHz,0.5V	62.4	1.10	1.53	150
HSLF0745T-220M-CA	22	20	1KHz,0.5V	73.2	0.90	1.34	220
HSLF0745T-330M-CA	33	20	1KHz,0.5V	115.2	0.82	1.09	330
HSLF0745T-470M-CA	47	20	1KHz,0.5V	150	0.75	0.92	470
HSLF0745T-680M-CA	68	20	1KHz,0.5V	210	0.60	0.77	680
HSLF0745T-101M-CA	100	20	1KHz,0.5V	300	0.50	0.65	101
HSLF0745T-151M-CA	150	20	1KHz,0.5V	408	0.40	0.55	151
HSLF0745T-221M-CA	220	20	1KHz,0.5V	624	0.33	0.45	221
HSLF0745T-331M-CA	330	20	1KHz,0.5V	888	0.25	0.37	331
HSLF0745T-471M-CA	470	20	1KHz,0.5V	1260	0.22	0.31	471
HSLF0745T-681M-CA	680	20	1KHz,0.5V	1776	0.20	0.27	681
HSLF0745T-102M-CA	1000	20	1KHz,0.5V	2736	0.14	0.25	102

**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

- Operating temperature range—40°C~125°C(Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current
- I rms for a 20°C temperature rise from 25°C ambient with current



## SMD Shielded Power Inductors - HSLF0755 Series-CA

### HSLF0755 series Electrical Characteristics

Part No.	Inductance ( $\mu$ H)	Tolerance ( $\pm$ %)	Test Freq.	RDC (m $\Omega$ )max	Isat (A)	Irms (A)Max	Marking
HSLF0755T-1R5T-CA	1.5	30	100KHz,1V	22.62	6.20	4.00	1R5
HSLF0755T-2R2T-CA	2.2	30	100KHz,1V	28.21	5.30	3.50	2R2
HSLF0755T-3R3T-CA	3.3	30	100KHz,1V	31.2	4.30	3.30	3R3
HSLF0755T-4R7T-CA	4.7	30	100KHz,1V	36.4	3.60	3.10	4R7
HSLF0755T-6R8T-CA	6.8	30	100KHz,1V	44.2	3.00	2.80	6R8
HSLF0755T-100M-CA	10	20	100KHz,1V	46.92	2.60	2.50	100
HSLF0755T-150M-CA	15	20	100KHz,1V	60.96	2.10	2.20	150
HSLF0755T-220M-CA	22	20	100KHz,1V	77.16	1.70	2.00	220
HSLF0755T-470M-CA	47	20	100KHz,1V	186	0.80	1.00	470

**Note:** When ordering, please specify tolerance code. Tolerance: M= $\pm$ 20% , T= $\pm$ 30%

- Operating temperature range—40°C~125°C(Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current
- Irms for a 30°C temperature rise from 25°C ambient with current





## SMD Shielded Power Inductors - HSLF1045 Series-CA

### HSLF1045 series Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (±%)	Test Freq.	RDC (mΩ)max	Isat (A)	Irms (A)Max	Marking
HSLF1045T-4R7T-CA	4.7	30	1KHz,0.5V	24	4.50		4R7
HSLF1045T-100M-CA	10	20	1KHz,0.5V	43.68	3.00	2.50	100
HSLF1045T-150M-CA	15	20	1KHz,0.5V	56.64	2.40	2.20	150
HSLF1045T-220M-CA	22	20	1KHz,0.5V	70.92	2.10	1.90	220
HSLF1045T-330M-CA	33	20	1KHz,0.5V	97.8	1.60	1.70	330
HSLF1045T-470M-CA	47	20	1KHz,0.5V	120	1.40	1.50	470
HSLF1045T-680M-CA	68	20	1KHz,0.5V	168	1.20	1.30	680
HSLF1045T-101M-CA	100	20	1KHz,0.5V	240	1.00	1.10	101
HSLF1045T-151M-CA	150	20	1KHz,0.5V	420	0.79	0.81	151
HSLF1045T-221M-CA	220	20	1KHz,0.5V	564	0.65	0.70	221
HSLF1045T-271M-CA	270	20	1KHz,0.5V	696	0.58	0.60	271
HSLF1045T-331M-CA	330	20	1KHz,0.5V	816	0.54	0.58	331
HSLF1045T-471M-CA	470	20	1KHz,0.5V	1236	0.47	0.47	471
HSLF1045T-681M-CA	680	20	1KHz,0.5V	1920	0.38	0.38	681
HSLF1045T-102M-CA	1000	20	1KHz,0.5V	3360	0.32	0.29	102
HSLF1045T-152M-CA	1500	20	1KHz,0.5V	4080	0.22	0.26	152

**Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T=±30%**

- Operating temperature range—40℃~125℃(Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current
- I rms for a 30℃ temperature rise from 25℃ ambient with current



## SMD Shielded Power Inductors - HSLF1055 Series-CA

### HSLF1055 series Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (±%)	Test Freq.	RDC (mΩ)max	Isat (A)	Marking
HSLF1055T-4R7M-CA	4.7	20	1KHz,0.5V	35	4.00	4R7
HSLF1055T-100M-CA	10	20	1KHz,0.5V	40	3.00	100
HSLF1055T-220M-CA	22	20	1KHz,0.5V	45.6	2.50	220
HSLF1055T-330M-CA	33	20	1KHz,0.5V	85	2.10	330

**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

- Operating temperature range -40°C ~ 125°C (Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current



## SMD Shielded Power Inductors - HSLF1255 Series-CA

### HSLF1255 series Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (±%)	Test Freq.	RDC (mΩ)max	Isat (A)	Irms (A)Max	Marking
HSLF1255T-6R0M-CA	6	20	1KHz,0.5V	19.68	3.60	4.90	6R0
HSLF1255T-100M-CA	10	20	1KHz,0.5V	25.8	3.40	4.30	100
HSLF1255T-150M-CA	15	20	1KHz,0.5V	31.08	2.80	3.90	150
HSLF1255T-220M-CA	22	20	1KHz,0.5V	40.56	2.30	3.40	220
HSLF1255T-330M-CA	33	20	1KHz,0.5V	49.8	1.90	3.10	330
HSLF1255T-470M-CA	47	20	1KHz,0.5V	74.16	1.60	2.50	470
HSLF1255T-680M-CA	68	20	1KHz,0.5V	99.84	1.30	2.20	680
HSLF1255T-101M-CA	100	20	1KHz,0.5V	140.4	1.10	1.80	101
HSLF1255T-151M-CA	150	20	1KHz,0.5V	228	0.88	1.40	151
HSLF1255T-221M-CA	220	20	1KHz,0.5V	324	0.72	1.20	221
HSLF1255T-331M-CA	330	20	1KHz,0.5V	498	0.59	1.00	331
HSLF1255T-471M-CA	470	20	1KHz,0.5V	624	0.49	0.88	471
HSLF1255T-681M-CA	680	20	1KHz,0.5V	912	0.43	0.73	681
HSLF1255T-102M-CA	1000	20	1KHz,0.5V	1344	0.34	0.60	102
HSLF1255T-152M-CA	1500	20	1KHz,0.5V	2076	0.29	0.48	152

**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

- Operating temperature range -40°C ~ 125°C (Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current
- Irms for a 30°C temperature rise from 25°C ambient with current



## SMD Shielded Power Inductors - HSLF1265 Series-CA

### HSLF1265 series Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (±%)	Test Freq.	RDC (mΩ)max	Isat (A)	Irms (A)Max	Marking
HSLF1265T-2R0T-CA	2	30	1KHz,0.5V	14.04	10.00	6.20	2R0
HSLF1265T-4R2T-CA	4.2	30	1KHz,0.5V	18	7.30	5.50	4R2
HSLF1265T-7R0T-CA	7	30	1KHz,0.5V	21.24	5.70	5.00	7R0
HSLF1265T-100M-CA	10	20	1KHz,0.5V	24.24	5.00	4.80	100
HSLF1265T-150M-CA	15	20	1KHz,0.5V	28.44	4.20	4.40	150
HSLF1265T-220M-CA	22	20	1KHz,0.5V	37.92	3.50	3.80	220
HSLF1265T-330M-CA	33	20	1KHz,0.5V	58.8	2.80	3.40	330
HSLF1265T-470M-CA	47	20	1KHz,0.5V	69.36	2.40	2.80	470
HSLF1265T-680M-CA	68	20	1KHz,0.5V	94.44	2.00	2.40	680
HSLF1265T-101M-CA	100	20	1KHz,0.5V	147.6	1.60	1.90	101
HSLF1265T-151M-CA	150	20	1KHz,0.5V	252	1.20	1.50	151
HSLF1265T-221M-CA	220	20	1KHz,0.5V	327.6	1.00	1.20	221

**Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T=±30%**

- Operating temperature range—40°C~125°C(Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current
- Iirms for a 40°C temperature rise from 25°C ambient with current



## SMD Shielded Power Inductors - HSLF1275 Series-CA

### HSLF1275 series Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (±%)	Test Freq.	RDC (mΩ)max	Isat (A)	Irms (A)Max	Marking
HSLF1275T-1R2T-CA	1.2	30	1KHz,0.5V	9.936	13.00	8.20	1R2
HSLF1275T-2R7T-CA	2.7	30	1KHz,0.5V	11.28	10.00	7.00	2R7
HSLF1275T-3R9T-CA	3.9	30	1KHz,0.5V	12.48	9.00	6.70	3R9
HSLF1275T-4R7T-CA	4.7	30	1KHz,0.5V	13.2	7.80	6.30	4R7
HSLF1275T-5R6T-CA	5.6	30	1KHz,0.5V	13.92	7.80	6.30	5R6
HSLF1275T-6R8T-CA	6.8	30	1KHz,0.5V	15.72	7.20	5.90	6R8
HSLF1275T-100M-CA	10	20	1KHz,0.5V	18.72	5.50	5.40	100
HSLF1275T-150M-CA	15	20	1KHz,0.5V	220.8	4.70	5.00	150
HSLF1275T-220M-CA	22	20	1KHz,0.5V	31.56	4.00	4.00	220
HSLF1275T-330M-CA	33	20	1KHz,0.5V	47.4	3.20	3.40	330
HSLF1275T-470M-CA	47	20	1KHz,0.5V	63.36	2.70	3.00	470
HSLF1275T-680M-CA	68	20	1KHz,0.5V	93.36	2.00	2.40	680
HSLF1275T-101M-CA	100	20	1KHz,0.5V	150	1.90	1.90	101
HSLF1275T-151M-CA	150	20	1KHz,0.5V	210	1.50	1.60	151
HSLF1275T-221M-CA	220	20	1KHz,0.5V	309.6	1.30	1.30	221
HSLF1275T-331M-CA	330	20	1KHz,0.5V	408	0.90	0.80	331

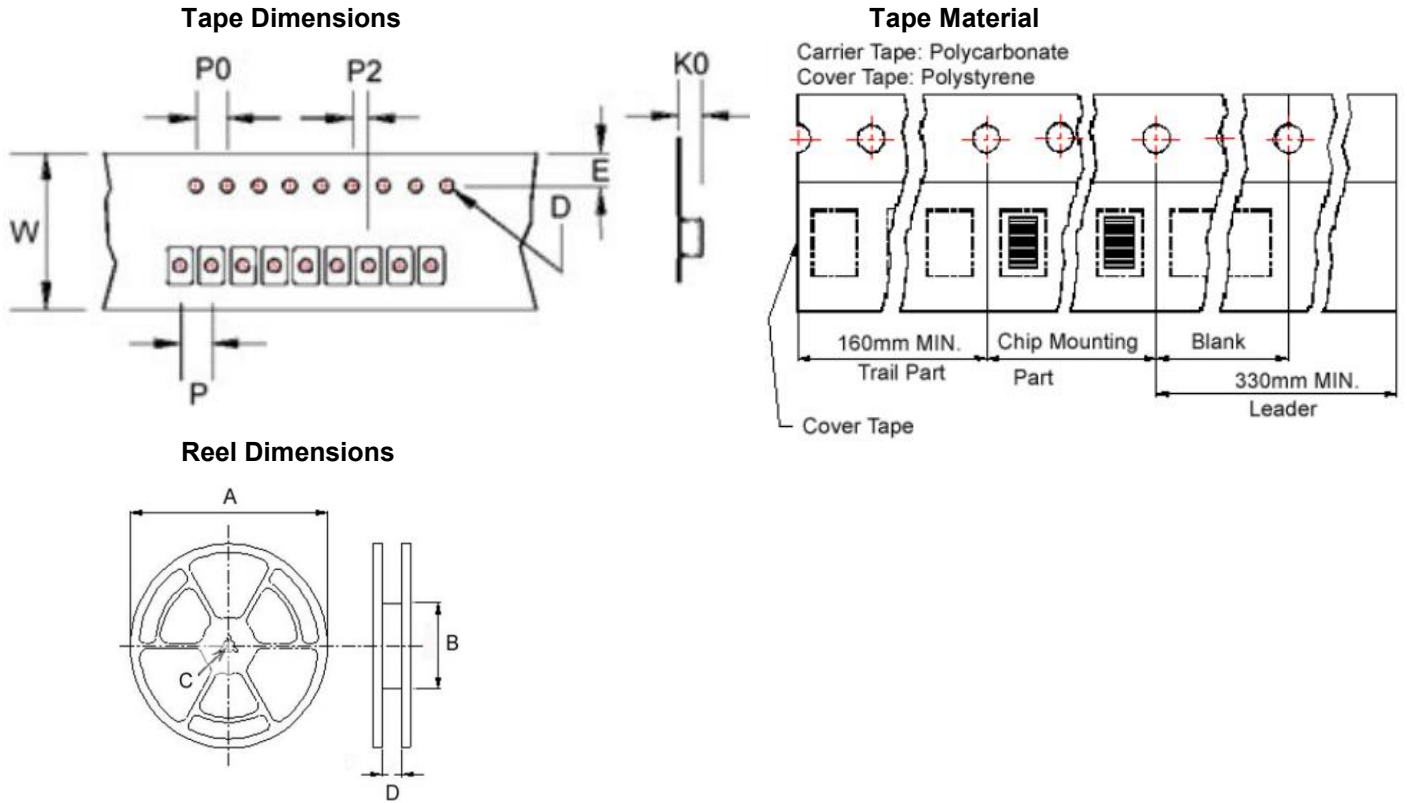
**Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T=±30%**

- Operating temperature range—40°C~125°C(Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current
- I rms for a 40°C temperature rise from 25°C ambient with current



## SMD Shielded Power Inductors - HSLF Series-CA

### Packaging Specifications



### Dimensions in mm

TYPE	Tape Dimensions							Reel Dimensions				Quantity PCS/REEL
	K0	D	E	W	P	P0	P2	A	B	C	D	
HSLF0628-CA	3.40	1.55	1.75	16	12	4	2	330	100	13	16	1000
HSLF0728-CA	3.20	1.55	1.75	16	12	4	2	330	100	13	16	1000
HSLF0730-CA	3.50	1.55	1.75	16	12	4	2	330	100	13	16	1000
HSLF0732-CA	3.50	1.55	1.75	16	12	4	2	330	100	13	16	1000
HSLF0745-CA	4.80	1.55	1.75	16	12	4	2	330	100	13	16	1000
HSLF0755-CA	5.70	1.55	1.75	16	12	4	2	330	100	13	16	900
HSLF1045-CA	5.00	1.55	1.75	24	16	4	2	330	100	13	24.4	500
HSLF1055-CA	5.00	1.55	1.75	24	16	4	2	330	100	13	24.4	500
HSLF1255-CA	6.00	1.55	1.75	24	16	4	2	330	100	13	24.4	500
HSLF1265-CA	7.00	1.55	1.75	24	16	4	2	330	100	13	24.4	500
HSLF1275-CA	8.20	1.55	1.75	24	16	4	2	330	100	13	24.4	350