



## SMD Shielded Power Inductors - HSLF Series

### FEATURES

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



### ORDERING CODE(标志示例)

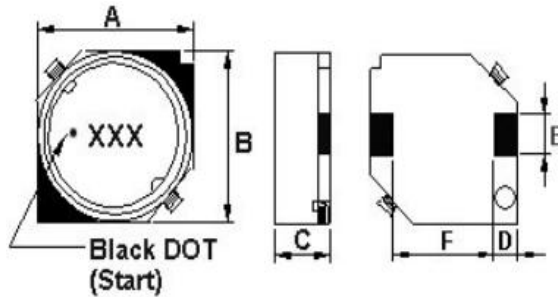
**HSLF**    □□□□    -    □□□    □

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

- (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

### Shape and Dimensions

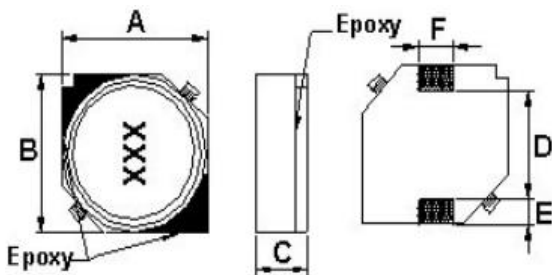
#### HSLF 0628



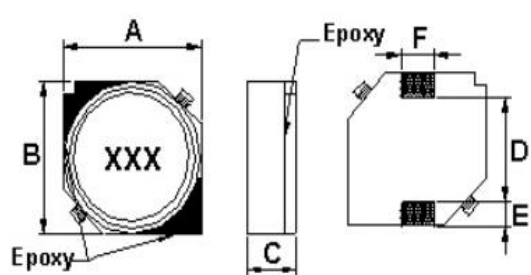
Dimensions in mm

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

#### HSLF0728/0730/0732/0745



#### HSLF0755



Dimensions in mm

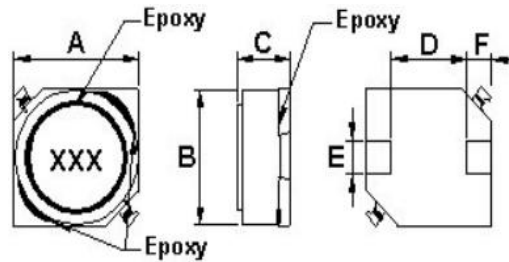
TYPE	A	B	C	D	E	F
HSLF0728	7.0±0.2	7.0±0.2	2.8±0.2	4.9typ	0.9typ	2.0typ
HSLF0730	7.0±0.2	7.0±0.2	3.0±0.2	4.9typ	0.9typ	2.0typ
HSLF0732	7.0±0.2	7.0±0.2	3.2±0.2	4.9typ	0.9typ	2.0typ
HSLF0745	7.0±0.2	7.0±0.2	4.5±0.2	4.9typ	0.9typ	2.0typ
HSLF0755	7.0±0.2	7.0±0.2	5.5±0.2	4.9typ	0.9typ	2.0typ



## SMD Shielded Power Inductors - HSLF Series

### Shape and Dimensions

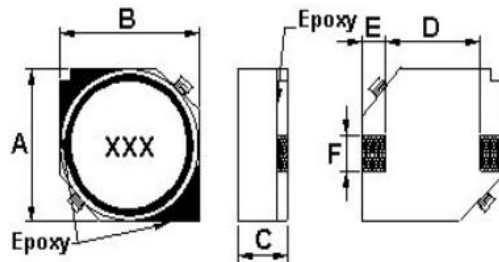
#### HSLF1045/ 1055



Dimensions in mm

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

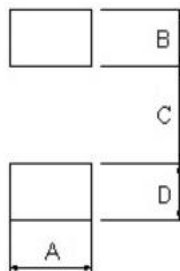
#### HSLF 1255/ 1265/ 1275



Dimensions in mm

TYPE	A	B	C	D	E	F
HSLF1255	12.5±0.3	12.5±0.3	5.5±0.3	8.6typ	2.0typ	3.0typ
HSLF1265	12.5±0.3	12.5±0.3	6.5±0.35	8.6typ	2.0typ	3.0typ
HSLF1275	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	2.2	1.5	4.0	1.5
HSLF0728	2.2	1.5	4.9	1.5
HSLF0730	2.2	1.5	4.9	1.5
HSLF0732	2.2	1.5	4.9	1.5
HSLF0745	2.2	1.5	4.9	1.5
HSLF0755	2.2	1.5	4.9	1.5
HSLF1045	3.2	2.5	5.6	2.5
HSLF1055	3.2	2.5	5.6	2.5
HSLF1255	3.2	2.5	8.6	2.5
HSLF1265	3.2	2.5	8.6	2.5
HSLF1275	3.2	2.5	8.6	2.5



## SMD Shielded Power Inductors - HSLF0628 Series

### 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	4.7	20	1KHz,0.5V	34.08	1.60	2.50	4R7
HSLF0628T-6R8M	6.8	20	1KHz,0.5V	42.48	1.50	2.20	6R8
HSLF0628T-100M	10	20	1KHz,0.5V	63.84	1.30	1.80	100
HSLF0628T-150M	15	20	1KHz,0.5V	89.4	1.00	1.40	150
HSLF0628T-220M	22	20	1KHz,0.5V	124.8	0.77	1.30	220
HSLF0628T-330M	33	20	1KHz,0.5V	177.6	0.69	1.10	330
HSLF0628T-470M	47	20	1KHz,0.5V	252	0.59	0.92	470
HSLF0628T-680M	68	20	1KHz,0.5V	348	0.50	0.78	680
HSLF0628T-101M	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  $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$  (Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a  $25^{\circ}\text{C}$  temperature rise from  $25^{\circ}\text{C}$  ambient with current



## SMD Shielded Power Inductors - HSLF0728 Series

### HSLF0728 series Electrical Characteristics

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

### HSLF0730 series Electrical Characteristics

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

### HSLF0732 series Electrical Characteristics

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

**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 - HSLF0745 Series

### HSLF0745 series Electrical Characteristics

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

### HSLF0755 series Electrical Characteristics

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

**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 30°C temperature rise from 25°C ambient with current





## SMD Shielded Power Inductors - HSLF1045 Series

### HSLF1045 series Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (±%)	Test Freq.	RDC (mΩ)max	Isat (A)	Irms (A)Max	Marking
HSLF1045T-4R7T	4.7	30	1KHz,0.5V	24	4.50		4R7
HSLF1045T-100M	10	20	1KHz,0.5V	43.68	3.00	2.50	100
HSLF1045T-150M	15	20	1KHz,0.5V	56.64	2.40	2.20	150
HSLF1045T-220M	22	20	1KHz,0.5V	70.92	2.10	1.90	220
HSLF1045T-330M	33	20	1KHz,0.5V	97.8	1.60	1.70	330
HSLF1045T-470M	47	20	1KHz,0.5V	120	1.40	1.50	470
HSLF1045T-680M	68	20	1KHz,0.5V	168	1.20	1.30	680
HSLF1045T-101M	100	20	1KHz,0.5V	240	1.00	1.10	101
HSLF1045T-151M	150	20	1KHz,0.5V	420	0.79	0.81	151
HSLF1045T-221M	220	20	1KHz,0.5V	564	0.65	0.70	221
HSLF1045T-271M	270	20	1KHz,0.5V	696	0.58	0.60	271
HSLF1045T-331M	330	20	1KHz,0.5V	816	0.54	0.58	331
HSLF1045T-471M	470	20	1KHz,0.5V	1236	0.47	0.47	471
HSLF1045T-681M	680	20	1KHz,0.5V	1920	0.38	0.38	681
HSLF1045T-102M	1000	20	1KHz,0.5V	3360	0.32	0.29	102
HSLF1045T-152M	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°C ~ 125°C (Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current
- Iirms for a 30°C temperature rise from 25°C ambient with current



## SMD Shielded Power Inductors - HSLF1055 Series

### HSLF1055 series Electrical Characteristics

Part No.	Inductance ( $\mu$ H)	Tolerance ( $\pm$ %)	Test Freq.	RDC (m $\Omega$ )max	Isat (A)	Marking
HSLF1055T-4R7M	4.7	20	1KHz,0.5V	35	4.00	4R7
HSLF1055T-100M	10	20	1KHz,0.5V	40	3.00	100
HSLF1055T-220M	22	20	1KHz,0.5V	45.6	2.50	220
HSLF1055T-330M	33	20	1KHz,0.5V	85	2.10	330

**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 - HSLF1255 Series

### HSLF1255 series Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (±%)	Test Freq.	RDC (mΩ)max	Isat (A)	Irms (A)Max	Marking
HSLF1255T-6R0M	6	20	1KHz,0.5V	19.68	3.60	4.90	6R0
HSLF1255T-100M	10	20	1KHz,0.5V	25.8	3.40	4.30	100
HSLF1255T-150M	15	20	1KHz,0.5V	31.08	2.80	3.90	150
HSLF1255T-220M	22	20	1KHz,0.5V	40.56	2.30	3.40	220
HSLF1255T-330M	33	20	1KHz,0.5V	49.8	1.90	3.10	330
HSLF1255T-470M	47	20	1KHz,0.5V	74.16	1.60	2.50	470
HSLF1255T-680M	68	20	1KHz,0.5V	99.84	1.30	2.20	680
HSLF1255T-101M	100	20	1KHz,0.5V	140.4	1.10	1.80	101
HSLF1255T-151M	150	20	1KHz,0.5V	228	0.88	1.40	151
HSLF1255T-221M	220	20	1KHz,0.5V	324	0.72	1.20	221
HSLF1255T-331M	330	20	1KHz,0.5V	498	0.59	1.00	331
HSLF1255T-471M	470	20	1KHz,0.5V	624	0.49	0.88	471
HSLF1255T-681M	680	20	1KHz,0.5V	912	0.43	0.73	681
HSLF1255T-102M	1000	20	1KHz,0.5V	1344	0.34	0.60	102
HSLF1255T-152M	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
- I rms for a 30°C temperature rise from 25°C ambient with current



## SMD Shielded Power Inductors - HSLF1265 Series

### HSLF1265 series Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (±%)	Test Freq.	RDC (mΩ)max	Isat (A)	Irms (A)Max	Marking
HSLF1265T-2R0T	2	30	1KHz,0.5V	14.04	10.00	6.20	2R0
HSLF1265T-4R2T	4.2	30	1KHz,0.5V	18	7.30	5.50	4R2
HSLF1265T-7R0T	7	30	1KHz,0.5V	21.24	5.70	5.00	7R0
HSLF1265T-100M	10	20	1KHz,0.5V	24.24	5.00	4.80	100
HSLF1265T-150M	15	20	1KHz,0.5V	28.44	4.20	4.40	150
HSLF1265T-220M	22	20	1KHz,0.5V	37.92	3.50	3.80	220
HSLF1265T-330M	33	20	1KHz,0.5V	58.8	2.80	3.40	330
HSLF1265T-470M	47	20	1KHz,0.5V	69.36	2.40	2.80	470
HSLF1265T-680M	68	20	1KHz,0.5V	94.44	2.00	2.40	680
HSLF1265T-101M	100	20	1KHz,0.5V	147.6	1.60	1.90	101
HSLF1265T-151M	150	20	1KHz,0.5V	252	1.20	1.50	151
HSLF1265T-221M	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
- I rms for a 40°C temperature rise from 25°C ambient with current



## SMD Shielded Power Inductors - HSLF1275 Series

### HSLF1275 series Electrical Characteristics

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

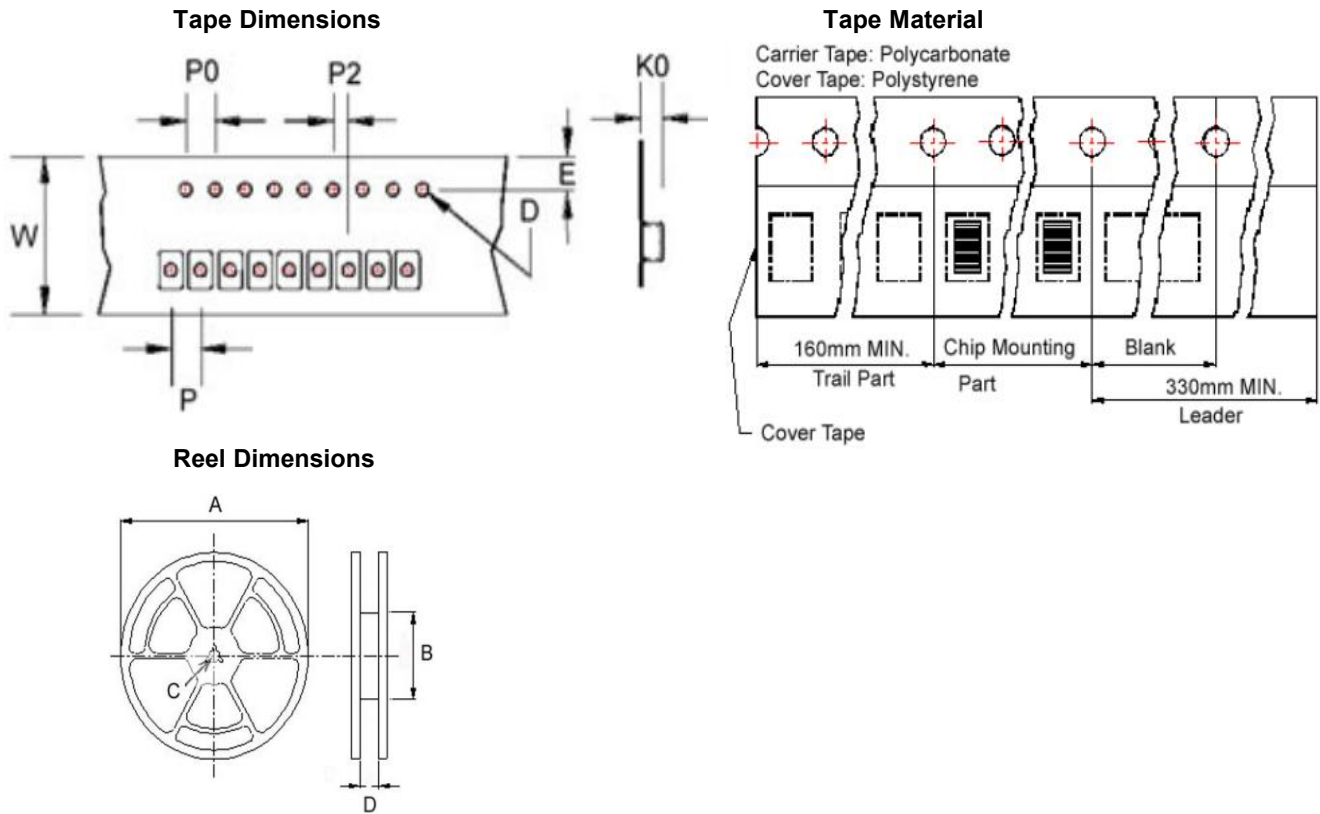
**Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T=±30%**

- 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

### Packaging Specifications



### Dimensions in mm

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