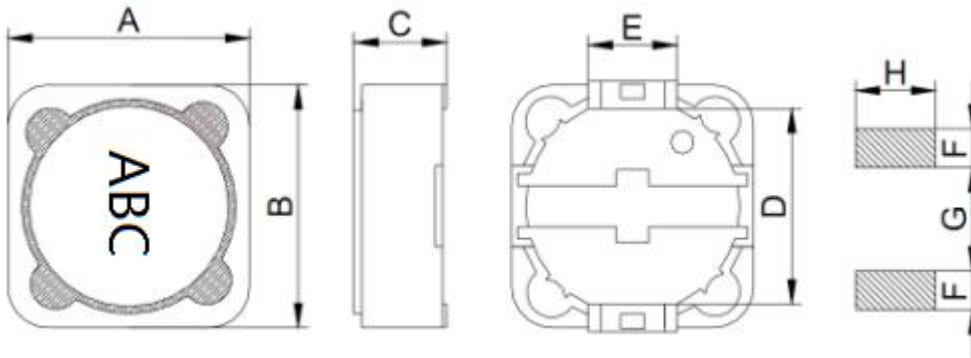


### 1 Dimension :

Unit: mm



A	12.0±0.3
B	12.0±0.3
C	8.0 Max.
D	7.6±0.5
E	5.0±0.6
F	2.8 Ref.
G	7.0 Ref.
H	5.4 Ref.

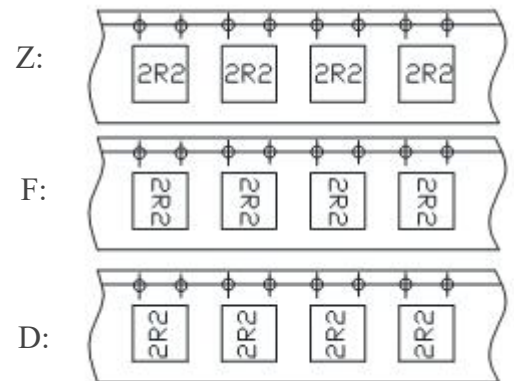
### 2 Product Spec. Model

KSE - CD 127 NP -100 N C  
a b c e f g

#### KSE Brand

- a: Series name
- b: Product dimensions code
- c: Lead-free
- e: Inductance Value  
(1R0:1.0uH; 100: 10uH; 101:100uH)
- f: Inductance Tolerance (K:10% ; M:20% ; N:30%)
- g: Package (C: Tape & Reel, B: Bulk)

#### ▶ Lettering direction



F- direction (typ.)

### 3 MATERIAL LIST

NO.	PARTS	MATERIAL SPECIFICATIONS	UL FILE NO.	TEMP. CLASS
1	CORE	JPT5HDA 9.9*7*6.0 JPT7H SP 12.2*6.8*10.75 OR EQUIVALENT / (SB02)	NA	NA
2	WIRE	G1 P180 OR EQUIVALENT	E258243	180°C
3	ADHESIVE	JC764-1、G9010 OR EQUIVALENT	NA	NA
4	BASE	SHC-1200B	NA	NA
5	SOLDER	Sn99.3-Cu0.7 OR EQUIVALENT	NA	NA

\*NA:NOT APPLICABLE.

## 4 Electrical Characteristics List

Part NO.	Inductance ( $\mu$ H)	Test Freq. (KHz/v)	DCR Max ( $\Omega$ )	Isat (A)	WIRE ( $\phi$ /mm)	TS (Ref)
KSE-CD127NP-1R0NC	1.0	100/0.25	0.008	14.5	0.45*2	3.5
KSE-CD127NP-1R5NC	1.5	100/0.25	0.010	12.8	0.45*2	4.5
KSE-CD127NP-2R2NC	2.2	100/0.25	0.014	10	0.45*2	5.5
KSE-CD127NP-3R3NC	3.3	100/0.25	0.018	9.5	0.45*2	6.5
KSE-CD127NP-4R7NC	4.7	100/0.25	0.021	8.6	0.45*2	7.5
KSE-CD127NP-5R6NC	5.6	100/0.25	0.024	8.2	0.40*2	8.5
KSE-CD127NP-6R8NC	6.8	100/0.25	0.026	8.0	0.40*2	9.5
KSE-CD127NP-8R2NC	8.2	100/0.25	0.028	7.5	0.40*2	10.5
KSE-CD127NP-100MC	10	100/0.25	0.030	7.0	0.40*2	11.5
KSE-CD127NP-120MC	12	100/0.25	0.035	6.8	0.40*2	12.5
KSE-CD127NP-150MC	15	100/0.25	0.038	6.5	0.40*2	14.5
KSE-CD127NP-180MC	18	100/0.25	0.043	6.2	0.37*2	15.5
KSE-CD127NP-220MC	22	100/0.25	0.045	5.0	0.37*2	17.5
KSE-CD127NP-270MC	27	100/0.25	0.052	4.8	0.35*2	18.5
KSE-CD127NP-330MC	33	100/0.25	0.065	4.5	0.35*2	21.5
KSE-CD127NP-390MC	39	100/0.25	0.073	4.3	0.35*2	22.5
KSE-CD127NP-470MC	47	100/0.25	0.100	4.0	0.31*2	25.5
KSE-CD127NP-560MC	56	100/0.25	0.110	3.8	0.31*2	27.5
KSE-CD127NP-680MC	68	100/0.25	0.140	3.2	0.40	29.5
KSE-CD127NP-820MC	82	100/0.25	0.160	3.0	0.40	33.5
KSE-CD127NP-101MC	100	100/0.25	0.220	2.8	0.40	35.5
KSE-CD127NP-121MC	120	100/0.25	0.250	2.5	0.35	40.5
KSE-CD127NP-151MC	150	100/0.25	0.280	2.2	0.35	46.5
KSE-CD127NP-181MC	180	100/0.25	0.300	2	0.35	49.5
KSE-CD127NP-221MC	220	100/0.25	0.31	1.8	0.35	54.5
KSE-CD127NP-271MC	270	100/0.25	0.403	1.7	0.32	60.5
KSE-CD127NP-331MC	330	100/0.25	0.500	1.6	0.30	68.5
KSE-CD127NP-391MC	391	100/0.25	0.520	1.4	0.30	72.5
KSE-CD127NP-471MC	470	100/0.25	0.750	1.2	0.27	80.5
KSE-CD127NP-561MC	560	100/0.25	0.820	1.1	0.27	84.5
KSE-CD127NP-681MC	680	100/0.25	1.150	0.84	0.25	92.5
KSE-CD127NP-821MC	820	100/0.25	1.400	0.78	0.23	109.5
KSE-CD127NP-102MC	1000	1/0.25	1.820	0.6	0.23	115.5

Tolerance: N: $\pm$ 30%、M: $\pm$ 20%、K: $\pm$ 10%.

Operating temperature range: -40 °C to +105°C (Including Self-heating)

Storage temperature range: -40 °C to +125°C

The rated DC current is that which cause at 25%Max inductance reduction from the initial value.