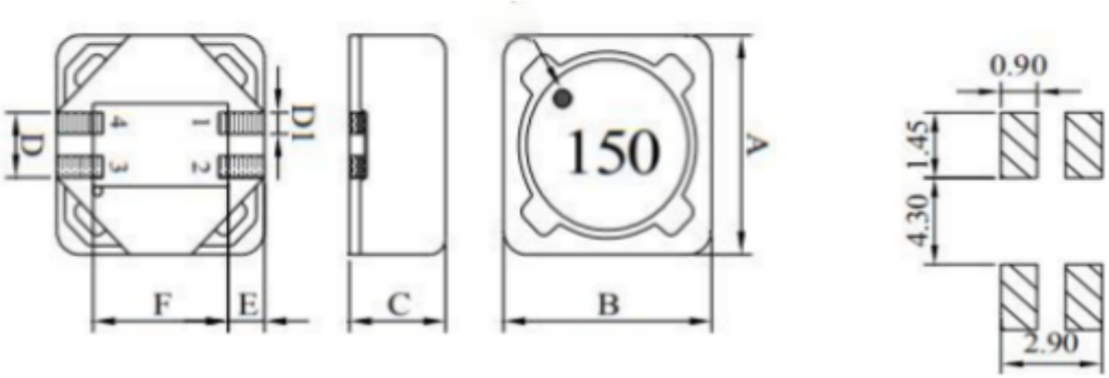
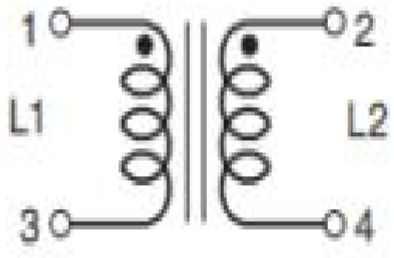
Shielded Coupled Inductor

◆DIMENSIONS:mm



A	7.3±0.2
B	7.3±0.2
C	4.6 Max
D	2.7type
D1	0.7type
E	1.25type
F	4.5type

SCHEMATIC：



◆ Lead Free Part Numbering

SLH	0704	C	100	M	T	T
(1)	(2)	(3)	(4)	(5)	(6)	(7)

(1) Series Type
(2) Dimension：A X C
(3) Material Code
(4) Inductance：2R2=2.2μH；
100=10μH；101=100μH
(5) Inductance Tolerance：M=±20%, Y=±30%
(6) Company Code
(7) Packaging：packed in embossed carrier

◆ELECTRICAL CHARACTER:

Part Number	Inductance L1=L2 (uH) @100KHz/0.1V	DCResistance L1=L2 (Ω)Max.	RatedCurrent1 L1=L2 (A)Max.	RatedCurrent2 L1=L2 (A)Max.
SLH0704C2R5MTT	2.5±20%	0.033	6.2	3.06
SLH0704C3R3MTT	3.3±20%	0.037	5.3	2.89
SLH0704C4R7MTT	4.7±20%	0.051	4.3	2.46
SLH0704C5R6MTT	5.6±20%	0.063	4.1	2.22
SLH0704C6R8MTT	6.8±20%	0.070	3.8	2.10
SLH0704C8R2MTT	8.2±20%	0.075	3.4	2.03
SLH0704C100MTT	10±20%	0.100	2.9	1.76
SLH0704C120MTT	12±20%	0.120	2.6	1.61
SLH0704C150MTT	15±20%	0.130	2.3	1.54
SLH0704C180MTT	18±20%	0.170	2.2	1.35
SLH0704C220MTT	22±20%	0.220	2.0	1.19
SLH0704C270MTT	27±20%	0.250	1.8	1.11
SLH0704C330MTT	33±20%	0.270	1.6	1.07
SLH0704C390MTT	39±20%	0.380	1.4	0.90
SLH0704C470MTT	47±20%	0.420	1.3	0.86
SLH0704C560MTT	56±20%	0.460	1.2	0.82
SLH0704C680MTT	68±20%	0.600	1.1	0.72
SLH0704C820MTT	82±20%	0.680	1.0	0.67
SLH0704C101MTT	100±20%	0.770	0.92	0.63
SLH0704C121MTT	120±20%	1.03	0.80	0.55
SLH0704C151MTT	150±20%	1.35	0.76	0.48

◆ELECTRICAL CHARACTER：

Part Number	Inductance L1=L2 (uH) @100KHz/0.1V	DCResistance L1=L2 (Ω)Max.	RatedCurrent1 L1=L2 (A)Max.	RatedCurrent2 L1=L2 (A)Max.
SLH0704C181MTT	180±20%	1.52	0.66	0.45
SLH0704C221MTT	220±20%	1.72	0.62	0.42
SLH0704C271MTT	270±20%	2.41	0.57	0.36
SLH0704C331MTT	330±20%	2.70	0.52	0.34
SLH0704C391MTT	390±20%	3.05	0.47	0.32
SLH0704C471MTT	470±20%	4.00	0.43	0.28
SLH0704C561MTT	560±20%	4.43	0.40	0.26
SLH0704C681MTT	680±20%	5.00	0.37	0.25
SLH0704C821MTT	820±20%	6.80	0.32	0.21
SLH0704C102MTT	1000±20%	7.80	0.29	0.20

GENERAL SPECIFICATION：

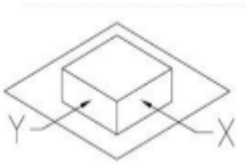
(1).RatedCurrent1:Baseontemp.rise&ΔL/L0A≦20%Typ

(2).RatedCurrent2:Temp.rise40℃Typ

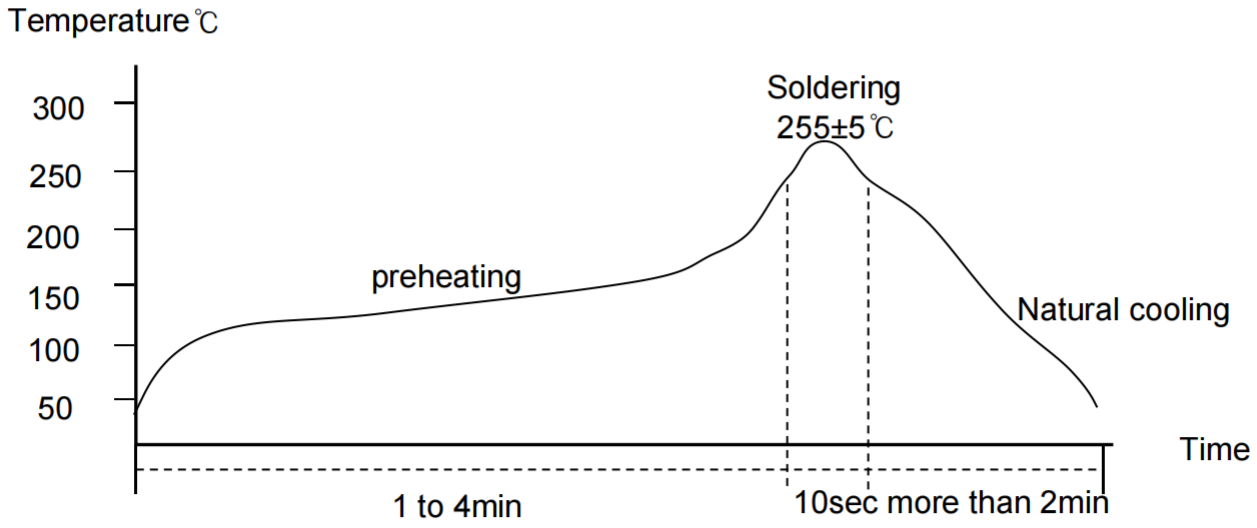
(3).Operating Temperature: -40°C up to +105℃

(4).Storage Temperature: 15°C up to 25°C, 65% RH max.

◆ RELIABILITY TESTING:

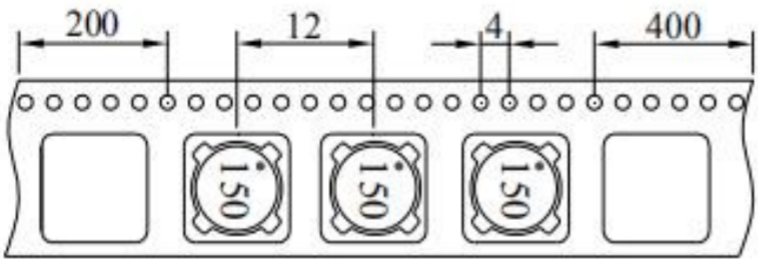
Operating Temperature	- 40 to +105 (Contain Heating coil)
Appearance Inspection	No external defects by visual inspection
Terminal Strength 	After soldering , between copper plaet and terminals of coils , push in two directions of X , Y with standing 10N(1.02kg) for10+/-2 sec. Terminal should not peel off. (Refer to figure at right)
Heat endurance of reflow soldering	Insulating resistance
Insulating resistance	Over 10 MΩ at 50V D.C . between wire and core
Dielectric Strength	Apply at 0.5KV 3mA for 1S between wire and core
Temperature characteristics	Inductance coefficient (0~2,000) × 10 / (- 40 ~ + 105)
Humidity characteristics	Inductance deviation within ± 10% , after 96 hours in 90~95% relative humidity at 40 ± 2 and 1 hours drying under normal condition
A test is made under the above mentioned condition , and it is kept for 2 hours in the normal	

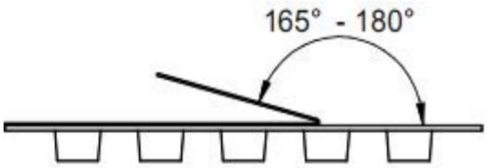
IR Reflow profile

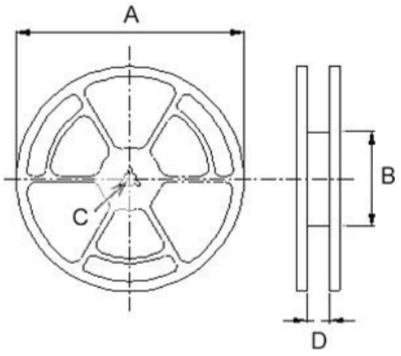


Temperature and humidity.After that,no mechanical and electrical defect should be found.

◆ PACKING INFORMATION:







Reel Dimensions（Unit: mm)				Quantity
A	B	C	D	Pcs/Reel
330	100	13	16.5	1000

Tape width	Distance	Pull-of force
16 mm	12 mm	20~120g