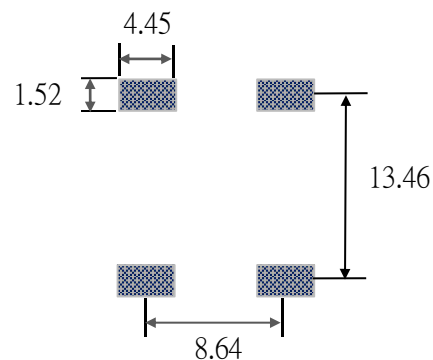
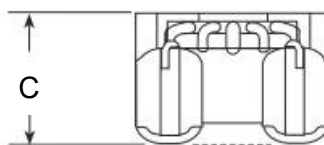
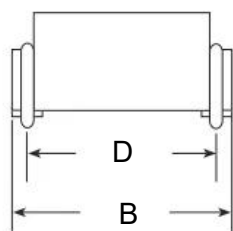
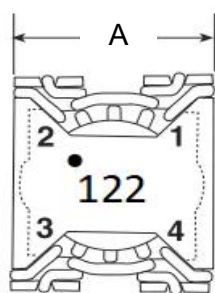


● 形状及尺寸/SHAPE AND DIMENSIONS (单位/Unit: mm)



A	B	C	D
14.22 Max	16.38 Max	8.9 Max	13.2±0.4

PAD Layout

● 产品识别/PRODUCT IDENTIFICATION:

GTCSM	1609C	—	122	N	T
(1)	(2)	(3)	(4)	(5)	

(1) Series

(2) Dimensions

(3) Inductance(100=10μH 901=900μH 122=1200μH=1.2mH)

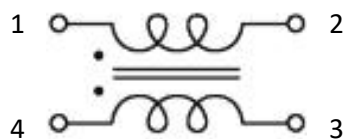
(4) TOL: N=±35%

(5) Packing

● 注意事项/NOTE:

1. 印字颜色: 白色打点
2. 首字正面及圆点对向PIN2脚
3. 绕线方式: 分绕

● 电路图/CIRCUIT DIAGRAM



● 电气特性/ELECTRICAL CHARACTERISTIC

Part Number	Inductance 1-2=4-3 @10KHz/0.1V	DC Resistance 1-2=4-3 (mΩ) Max	Rated Current (A) Max	SRF (MHZ)	Insulation Resistance 80V/3S (MΩ) Min	Hi-Pot 1,2-4,3 (Vdc) 3mA/1S	Marking
GTCSM1609C-901DT	0.9mH±35%	60	2.0	3.0	10	500V	● 901
GTCSM1609C-122DT	1.2mH±35%	80	2.0	2.0	10	500V	● 122
GTCSM1609C-352DT	3.5mH±35%	180	2.0	0.5	10	500V	● 352
GTCSM1609C-602DT	6.0mH±35%	450	1.5	0.3	10	500V	● 602
GTCSM1609C-133DT	13.2mH±35%	850	0.8	0.2	10	500V	● 133

Note:

(1).Rated Current: Temp.rise 40°C Typ

(2).Operating Temperature: -40°C up to +125°C

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

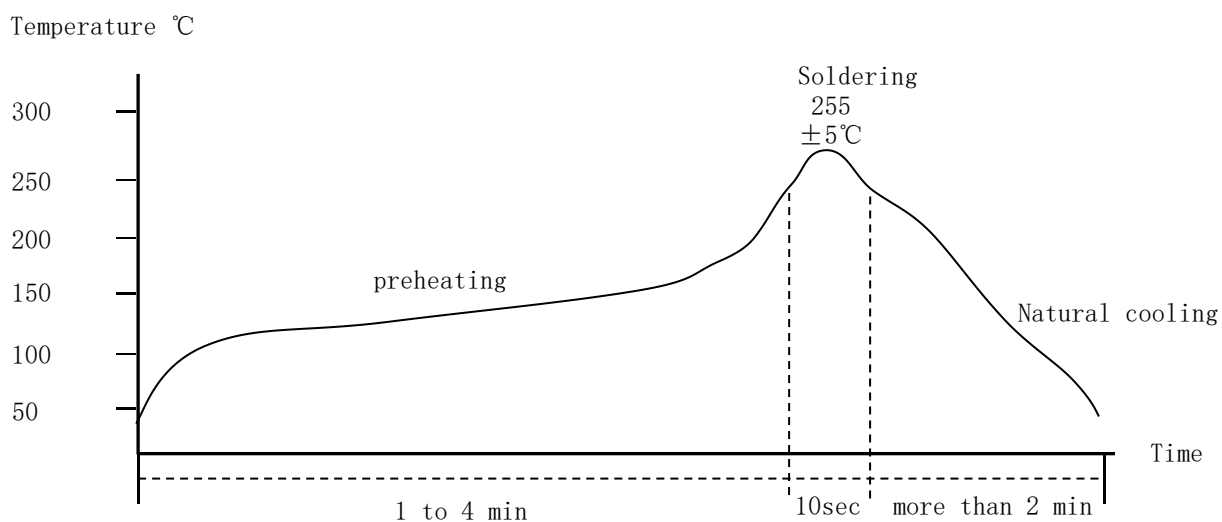
(4).The temperature of electrical characteristic test is 25°C indoor temperature

● 可靠性测试/RELIABILITY TESTING

Operating Temperature	- 40 to +125 °C (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	Refer to figure
Insulating resistance	Over 10 MΩ at 80V D.C . between wire and core
Dielectric Strength	Apply at 0.5KV 1mA for 3S between wire and core
Temperature characteristics	Inductance coefficient (0~2,000) × 10 / °C(- 40~ + 125 °C)
Humidity characteristics	Inductance deviation within ± 10% , after 96 hours in 90~95% relative humidity at 40 ± 2 °C 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

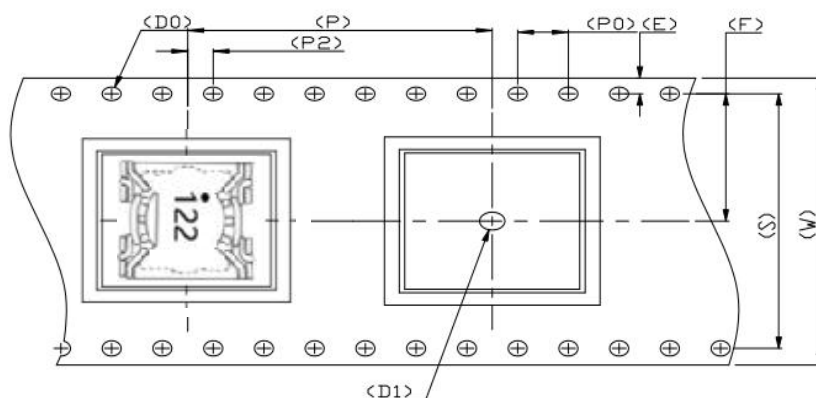


Temperature and humidity . After that , no mechanical and electrical defect should be found .

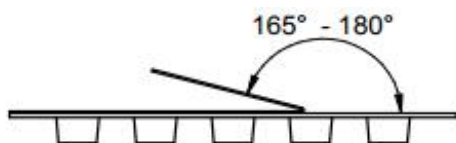
● 材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	CASE	PLASTIC
3	WIRE	P180 Grd1
4	ADHESIVE	EPOXY RESIN
5	SOLDER	LEAD-FREE
6	INK	WHITE

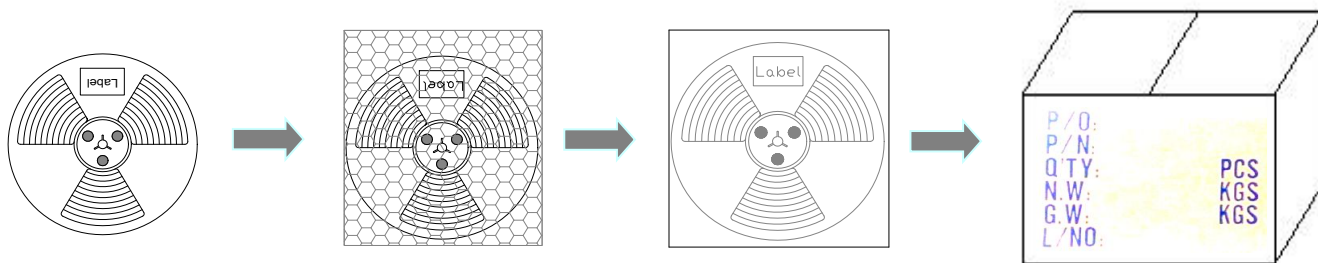
● 包装规格/PACKING SPECIFICATIONS



Transparent carrier and cover tape/透明载带和热封上带，预留前40CM后20CM.



Tape width	Distance	Pull-of force
32 mm	24mm	10~130g



轮盘：13' (直径330mm)
数量：300PCS/盘

PE袋
数量：300PCS/袋

内盒
数量：300PCS/盒

外箱，数量：1500PCS/箱
不足整箱用内盒或填充物
装满