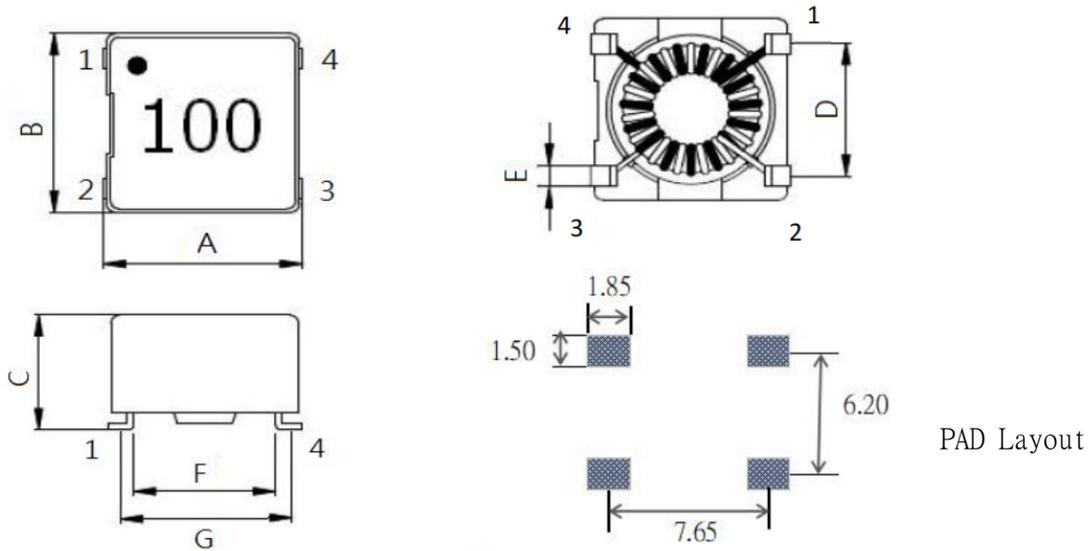


● 形状及尺寸/SHAPE AND DIMENSIONS (单位/Unit: mm)



A	B	C	D	E	F	G
8.8±0.5	8.5±0.5	5.5±0.5	6.22±0.50	1.0 Typ	6.5 Typ	7.6 Typ

● 产品识别/PRODUCT IDENTIFICATION:

GTCSM 0805T — 100 Y T
 (1) (2) (3) (4) (5)

(1) Series

(2) Dimensions

(3) Inductance(100=10μH 101=100μH 102=1000μH=1.0mH)

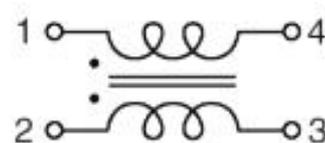
(4) TOL(Y:±40%)

(5) Packing

● 注意事项/NOTE:

1. 印字颜色: 白色打点
2. 圆点位于首字正面左上角且朝向PIN1
3. 绕线方式: 并绕

● 电路图/CIRCUIT DIAGRAM



● 电气特性/ELECTRICAL CHARACTERISTIC

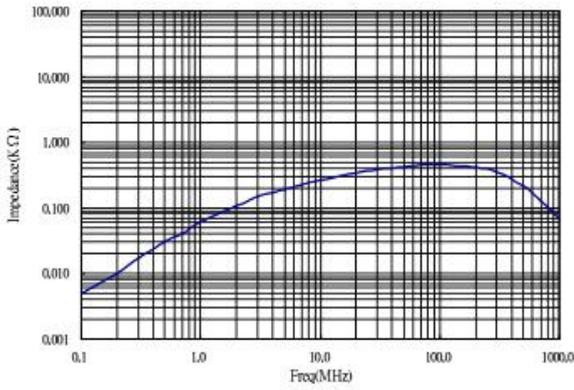
Part Number	Inductance 1-4=2-3 ±40% @100KHz/0.1V	DC Resistance 1-4=2-3 (mΩ) Max	Rated Current (A) Max	Impedance (Ω) Min	Freq. range (MHz)	Hi-Pot 1,4-2,3 (Vdc) 3mA/1S	Marking
GTCSM0805T-100YT	10μH	30	4.00	100	10-300	600	● 100
GTCSM0805T-220YT	22μH	35	3.80	300	10-200	600	● 220
GTCSM0805T-470YT	47μH	40	3.20	800	10-100	600	● 470
GTCSM0805T-101YT	100μH	25	3.00	100	10-300	500	● 101
GTCSM0805T-121YT	120μH	25	2.50	200	10-200	500	● 121
GTCSM0805T-201YT	200μH	32	2.50	300	7-150	500	● 201
GTCSM0805T-221YT	220μH	32	2.20	350	7-150	500	● 221
GTCSM0805T-251YT	250μH	35	2.00	400	5-100	500	● 251
GTCSM0805T-471YT	470μH	65	1.60	900	2-40	500	● 471
GTCSM0805T-501YT	500μH	70	1.50	800	2-50	500	● 501
GTCSM0805T-102YT	1000μH	180	0.95	1400	1-40	500	● 102
GTCSM0805T-202YT	2000μH	270	0.80	2000	0.5-15	300	● 202
GTCSM0805T-222YT	2200μH	300	0.75	3400	1-11	300	● 222
GTCSM0805T-302YT	3000μH	330	0.70	3000	0.5-10	300	● 302
GTCSM0805T-332YT	3300μH	360	0.65	4400	0.9-7	300	● 332
GTCSM0805T-392YT	3900μH	540	0.52	5000	0.7-6	300	● 392
GTCSM0805T-402YT	4000μH	600	0.45	4000	0.5-5	300	● 402
GTCSM0805T-472YT	4700μH	720	0.35	3200	0.6-3	300	● 472
GTCSM0805T-502YT	5000μH	780	0.30	5000	0.5-3	300	● 502
GTCSM0805T-902YT	9000μH	900	0.25	6000	0.5-3	300	● 902

Note:

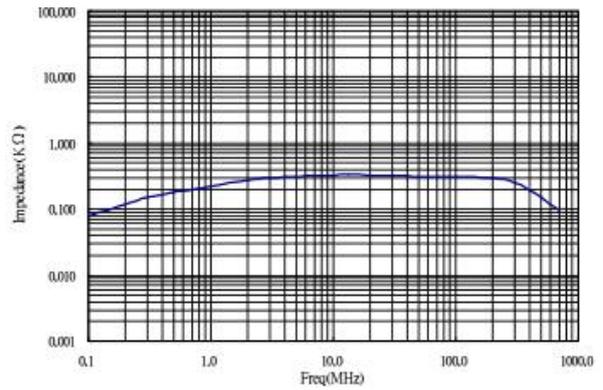
- (1).Rated Current: Temp.rise 40°C Typ
- (2).Operating Temperature: -40°C up to +125°C
- (3).Storage Temperature: 15°C up to 25°C, 65% RH max.
- (4).The temperature of electrical characteristic test is 25°C indoor temperature

● 特征曲线 / CHARACTERISTICS(REFERENCE)

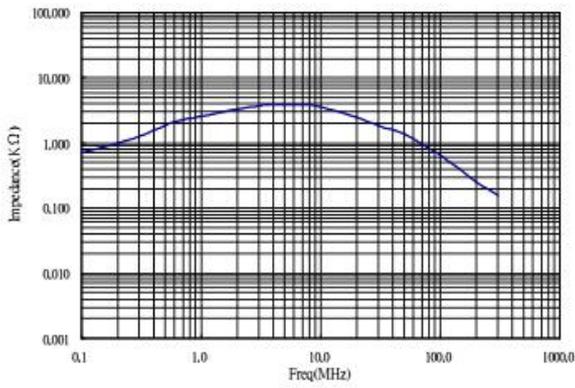
GTCSM0805T-100YT



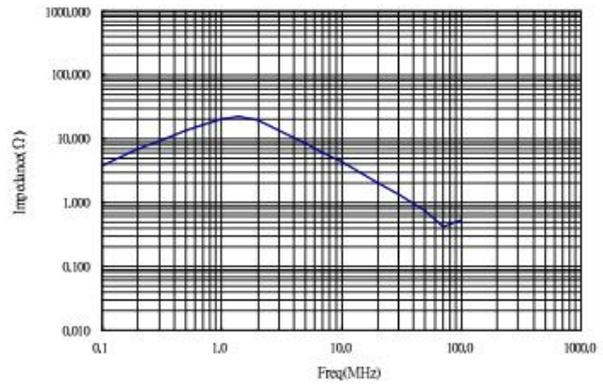
GTCSM0805T-101YT



GTCSM0805T-102YT

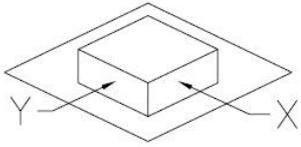


GTCSM0805T-502YT



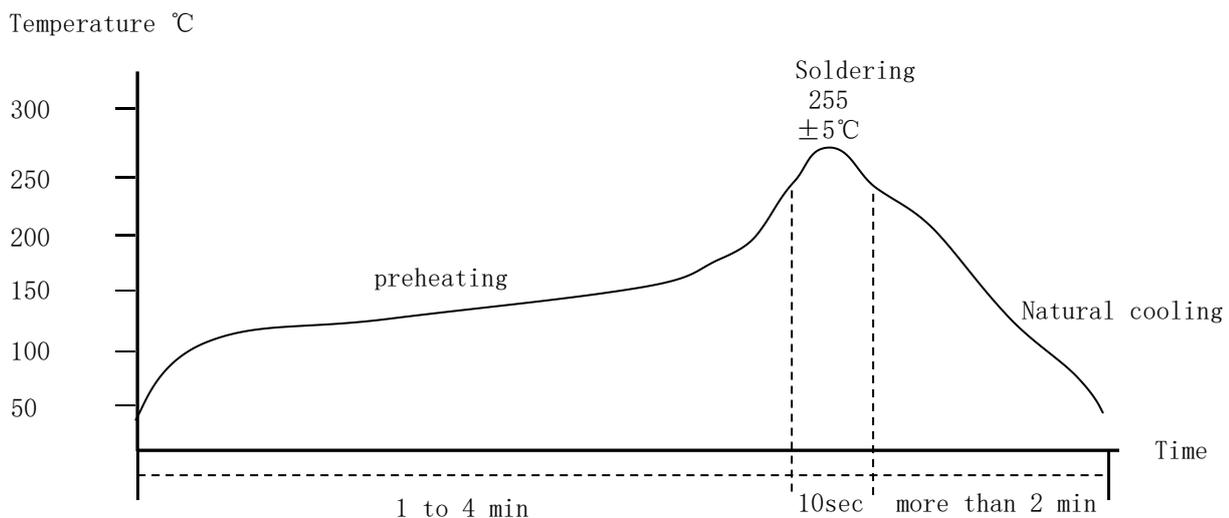
● 可靠性测试/RELIABILITY TESTING

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 50V 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

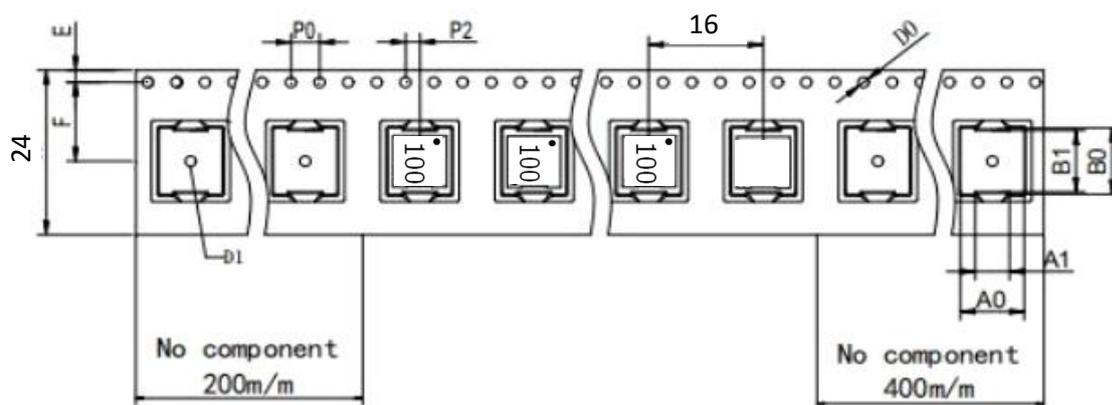


Temperature and humidity . After that , no mechanical and electrical defect should be found .

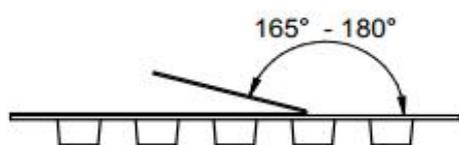
● 材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	CASE	PLASTIC+C5191(PIN)
3	WIRE	P180 Grd1
4	ADHESIVE	EPOXY RESIN
5	SOLDER	LEAD-FREE
6	INK	WHITE

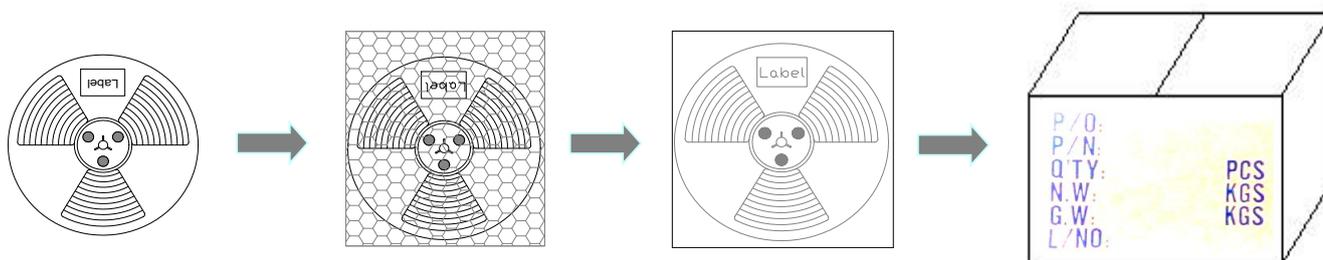
● 包装规格/PACKING SPECIFICATIONS



Transparent carrier and cover tape/透明载带和自粘上带，预留前40CM后20CM.



Tape width	Distance	Pull-of force
24 mm	16mm	10~130g



轮盘：13' (直径330mm)
数量：600PCS/盘

PE袋
数量：600PCS/袋

内盒
数量：1200PCS/盒

外箱，数量：6000PCS/箱
不足整箱用内盒或填充物
装满