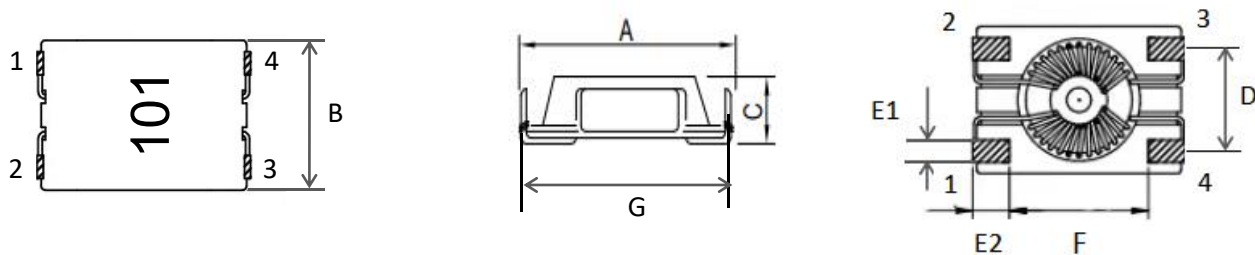


● 形状及尺寸/SHAPE AND DIMENSIONS (单位/Unit: mm)

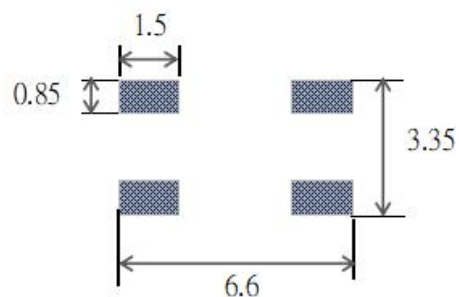


A	B	C	D	E1	E2	F	G
6.5 Max	3.60±0.15	1.65±0.15	2.50±0.15	0.55±0.10	0.8Typ	3.4±0.2	6.0Typ

● 产品识别/PRODUCT IDENTIFICATION:

GTCSM	0602S	—	101	Y	T
(1)	(2)	(3)	(4)	(5)	
(1) Series					
(2) Dimensions					
(3) Inductance	4R5=4.5μH	510=51μH			
	101=100μH	102=1000μH=1.0mH			
(4) TOL					
(5) Packing					

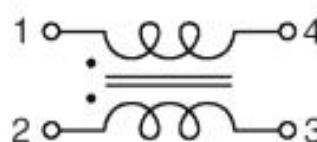
PAD Layout



● 注意事项/NOTE:

1. Marking为激光刻字
2. 首字正面对向PIN2脚
3. 绕线方式: 分绕

● 电路图/CIRCUIT DIAGRAM



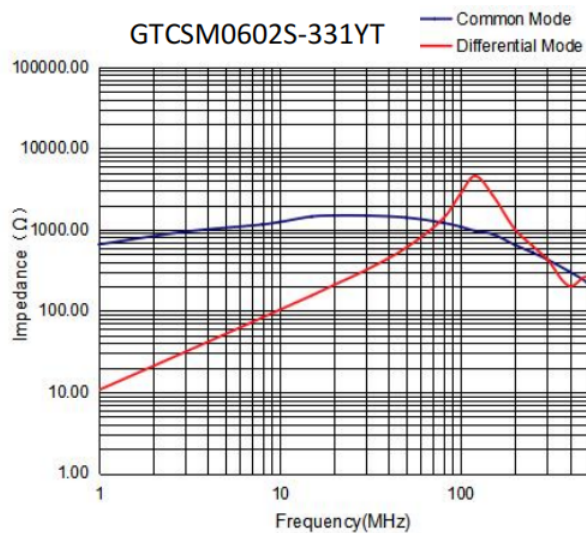
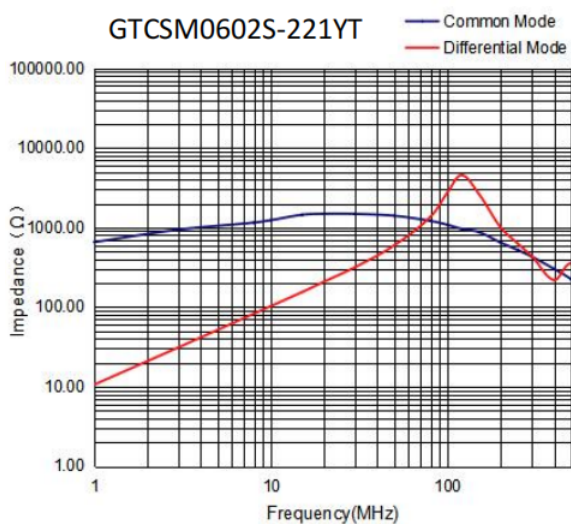
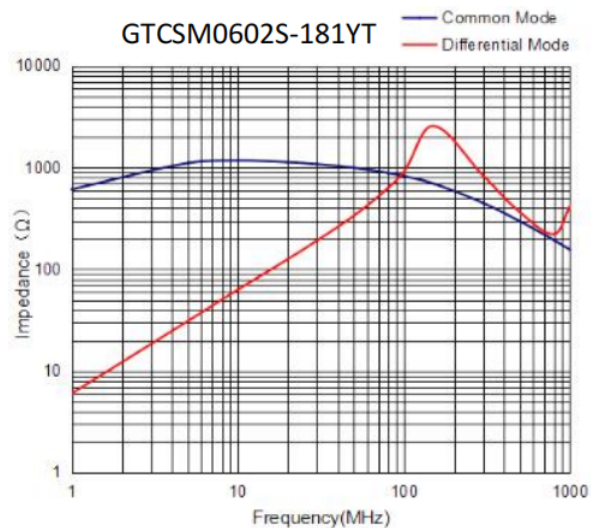
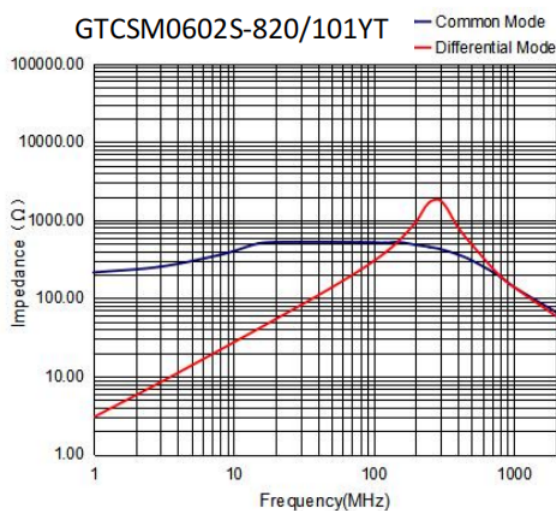
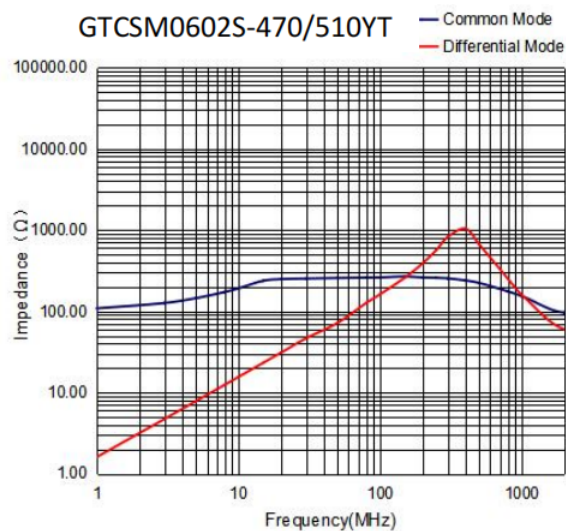
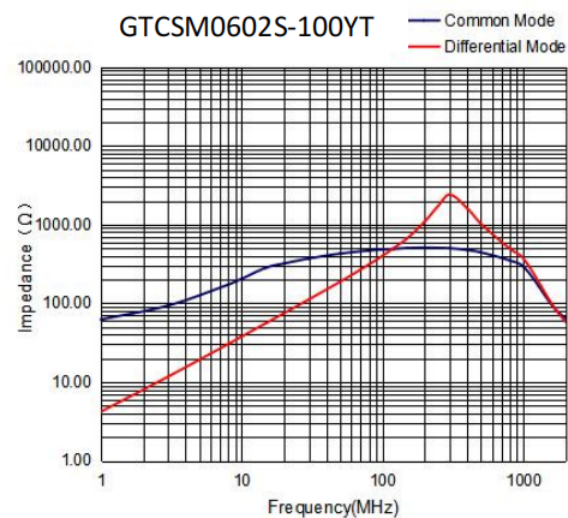
● 电气特性/ELECTRICAL CHARACTERISTIC

Part Number	Inductance 1-4=2-3 ±50% @10KHz/0.1V	Ls L1-4(2-3short) @1MHZ/1mA Typ	DC Resistance 1-4=2-3 (Ω) Max	Rated Current (A) Max	Rated Voltage (V) Typ	Impedance (Ω) Typ	Hi-Pot 1,4-2,3 (Vdc) 3mA/1S	Marking
GTCSM0602S-100YT	10μH	580nH	0.24	0.3	80	1200	250	100
GTCSM0602S-470YT	47μH	280nH	0.16	0.3	80	300	250	470
GTCSM0602S-510YT	51μH	270nH	0.16	0.3	80	300	250	510
GTCSM0602S-820YT	82μH	370nH	0.2	0.3	80	440	250	820
GTCSM0602S-101YT	100μH	530nH	0.22	0.3	80	500	250	101
GTCSM0602S-181YT	180μH	760nH	0.25	0.3	80	1000	250	181
GTCSM0602S-221YT	220μH	950nH	0.28	0.3	80	1200	250	221
GTCSM0602S-331YT	330μH	1300nH	0.30	0.3	80	2000	250	331

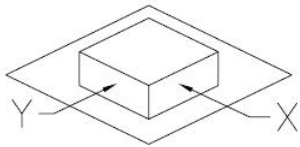
Note:

- (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)

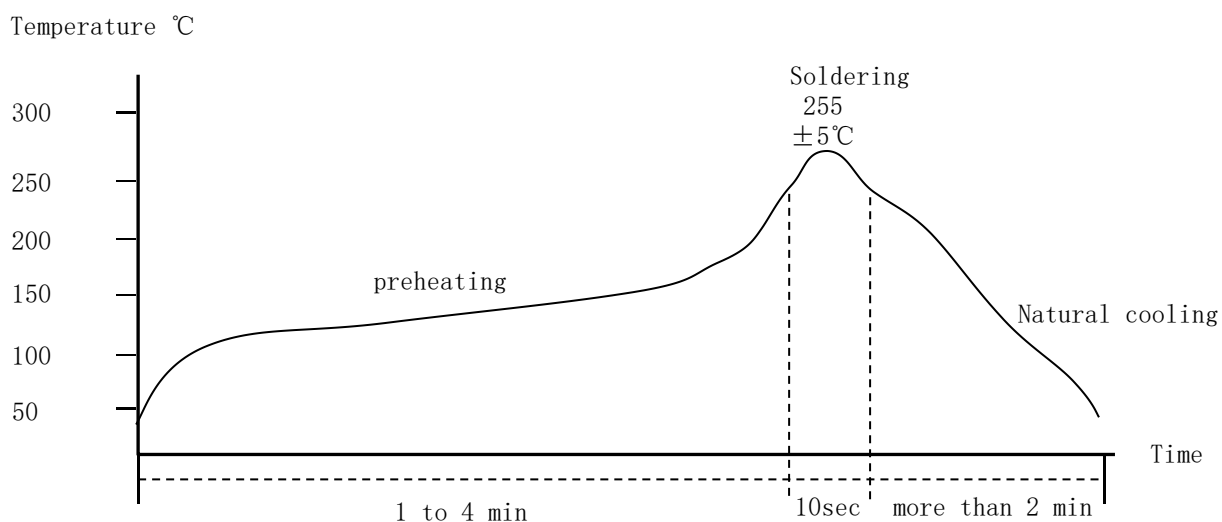


● 可靠性测试/RELIABILITY TESTING

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

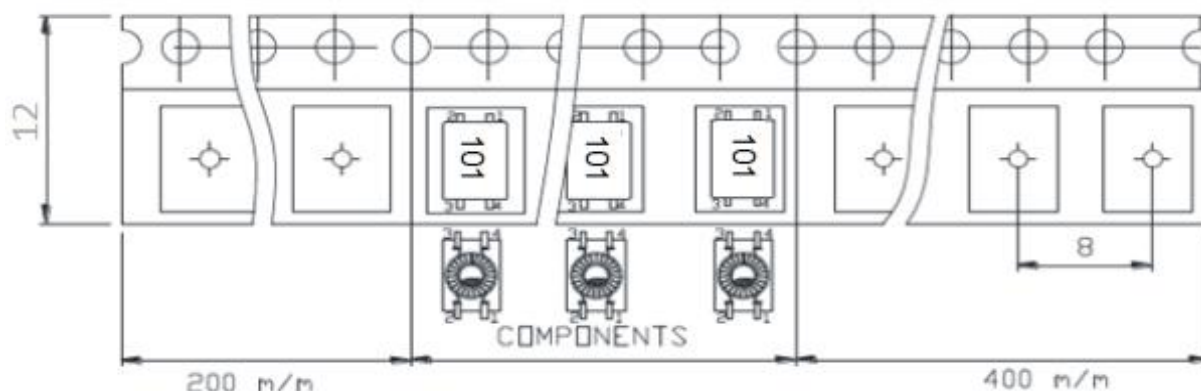


Temperature and humidity . After that , no mechanical and electrical defect should be found .

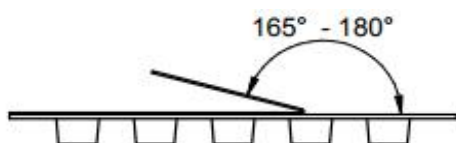
●材料清单/MATERIAL LIST

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

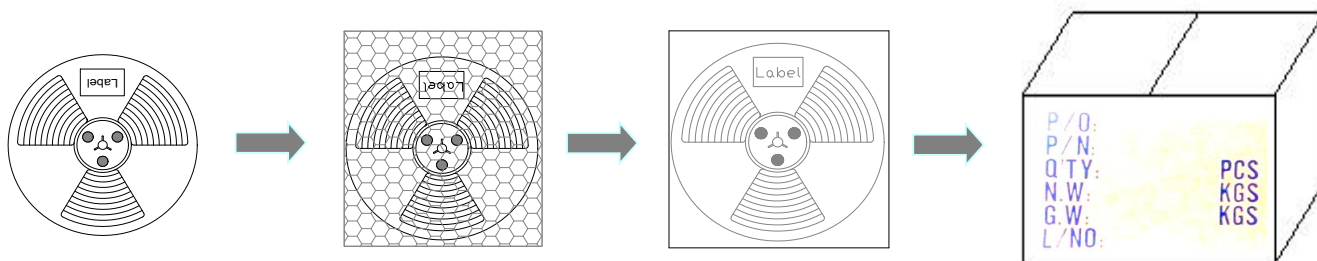
●包装规格/PACKING SPECIFICATIONS



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
12 mm	8mm	10~120g



轮盘：13' (直径330mm)
数量：2500PCS/盘

PE袋
数量：2500PCS/袋

内盒
数量：10000PCS/盒

外箱，数量：50000PCS/箱
不足整箱用内盒或填充物
装满