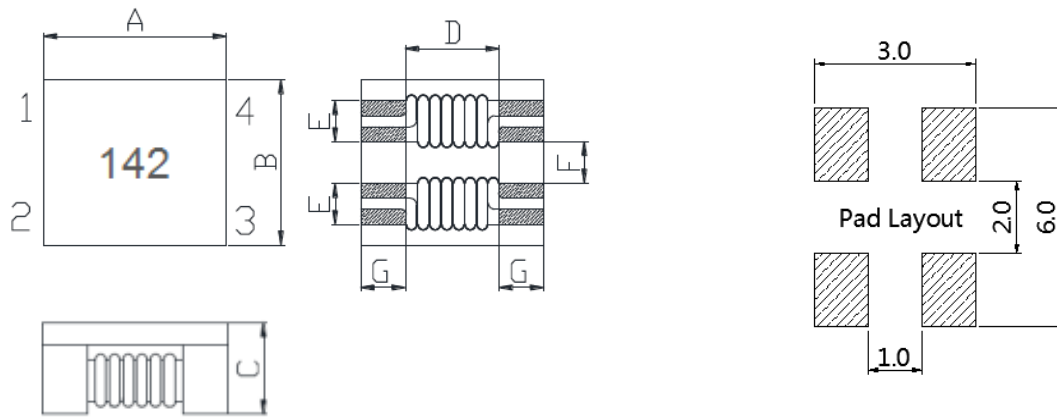
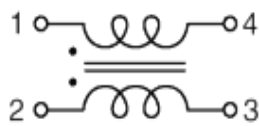


一.尺寸图/DIMENSION (单位/UNIT : mm)



ITEM	A	B	C	D	E	F	G			
DIM	4.7	4.5	2.0	2.70	0.8	1.25	1.0			
TOLE	±0.5	±0.5	Max	Typ	Typ	Typ	Typ			

二.电路图/SCHEMATIC



三.注意事项/NOTE :

1.产品印黑字

四.电气特性/ELECTRICAL CHARACTERISTIC

Part Number	Common mode Impedance (Ω @100MHz)		DCR (mΩ) max.	IDC (A)max.	Rated Volt. (Vdc)max.	IR (Ω) min.	MARK
	60 Min	90 Typ					
GCM4520SE-900T	60 Min	90 Typ	35	2.0	50	10M	900
GCM4520SE-151T	90 Min	150 Typ	40	1.9	50	10M	151
GCM4520SE-231T	180 Min	230 Typ	45	1.8	50	10M	231
GCM4520SE-301T	200 Min	300 Typ	45	1.7	50	10M	301
GCM4520SE-401T	300 Min	420 Typ	50	1.5	50	10M	401
GCM4520SE-701T	500 Min	700 Typ	59	1.4	50	10M	701
GCM4520SE-901T	650 Min	900 Typ	68	1.3	50	10M	901
GCM4520SE-102T	800 Min	1000 Typ	68	1.3	50	10M	102
GCM4520SE-122T	1000 Min	1200 Typ	74	1.2	50	10M	122
GCM4520SE-142T	1200 Min	1400 Typ	81	1.2	50	10M	142

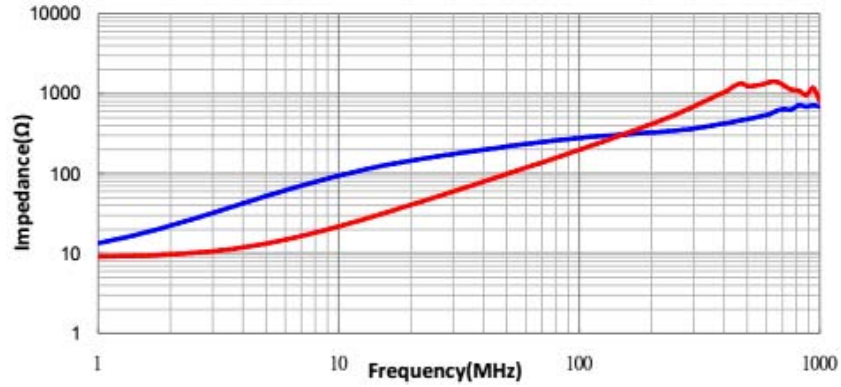
(1).Rated Current: Temp.rise 40°C Typ

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

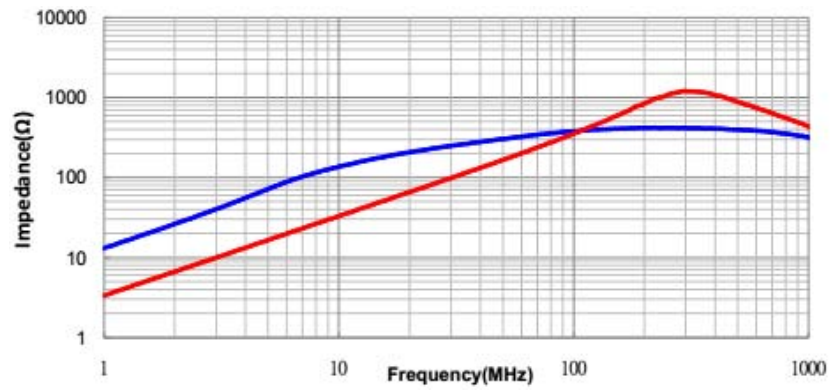
(3).Storage Temperature: -20°C up to +40°C, 75% RH max.

五.特征曲线/CHARACTERISTICS(REFERENCE)

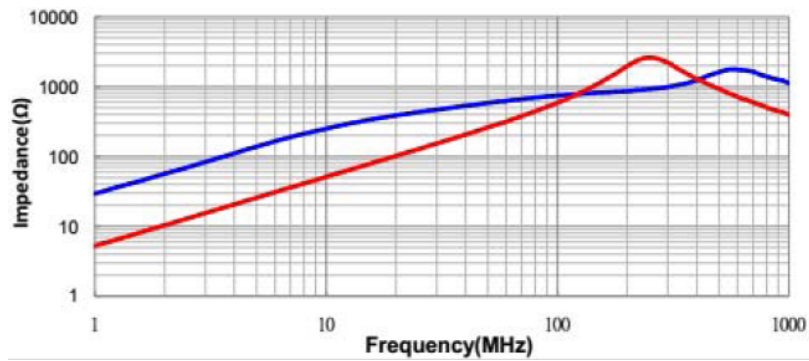
GCM4520SE-301T



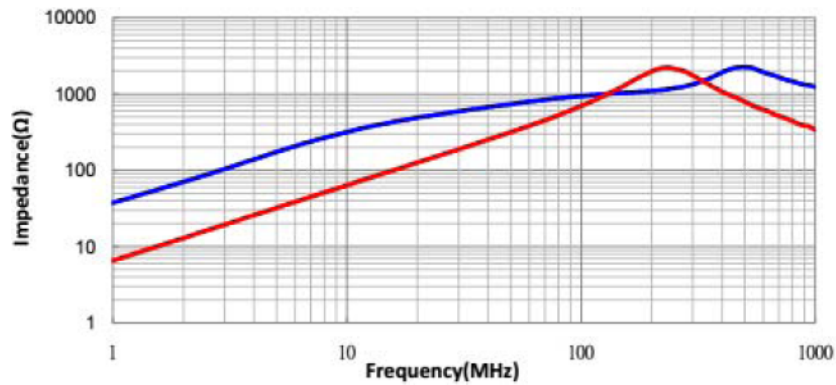
GCM4520SE-401T



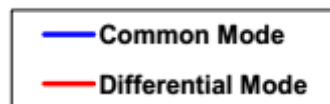
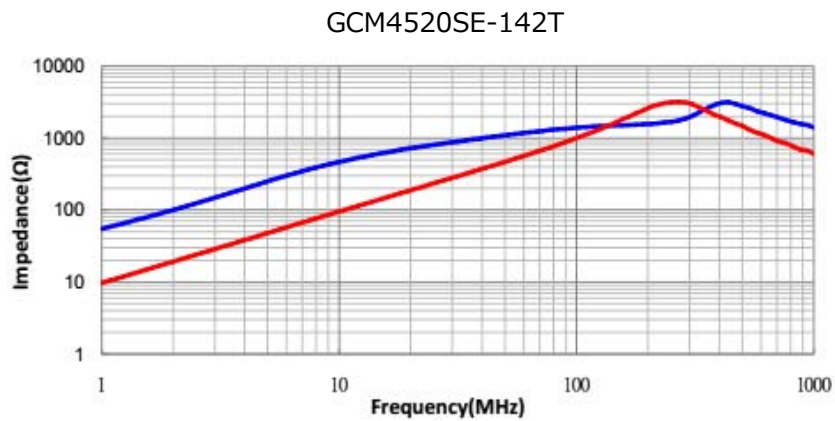
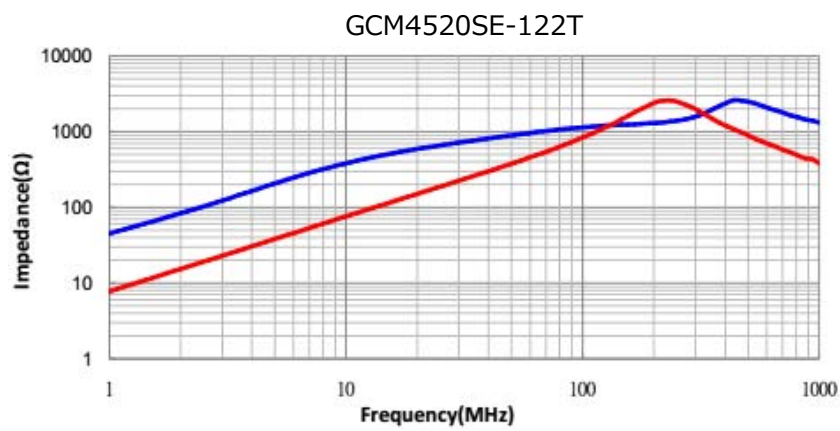
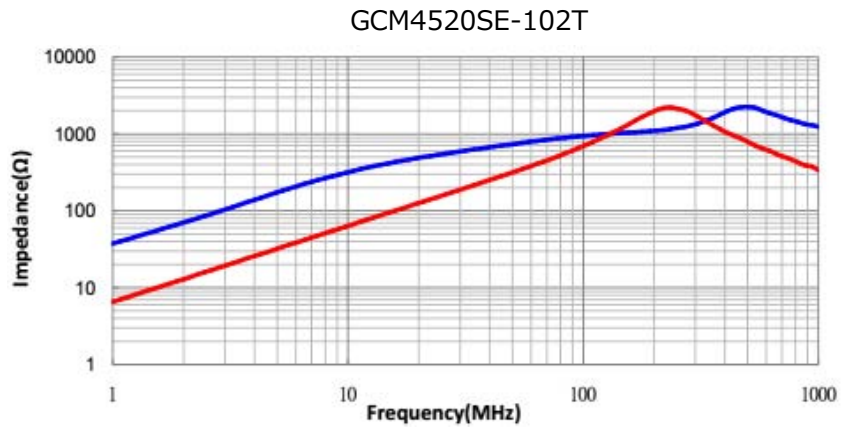
GCM4520SE-701T



GCM4520SE-901T

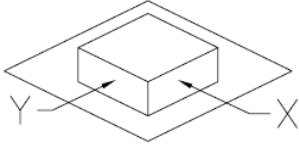


五.特征曲线/CHARACTERISTICS(REFERENCE)



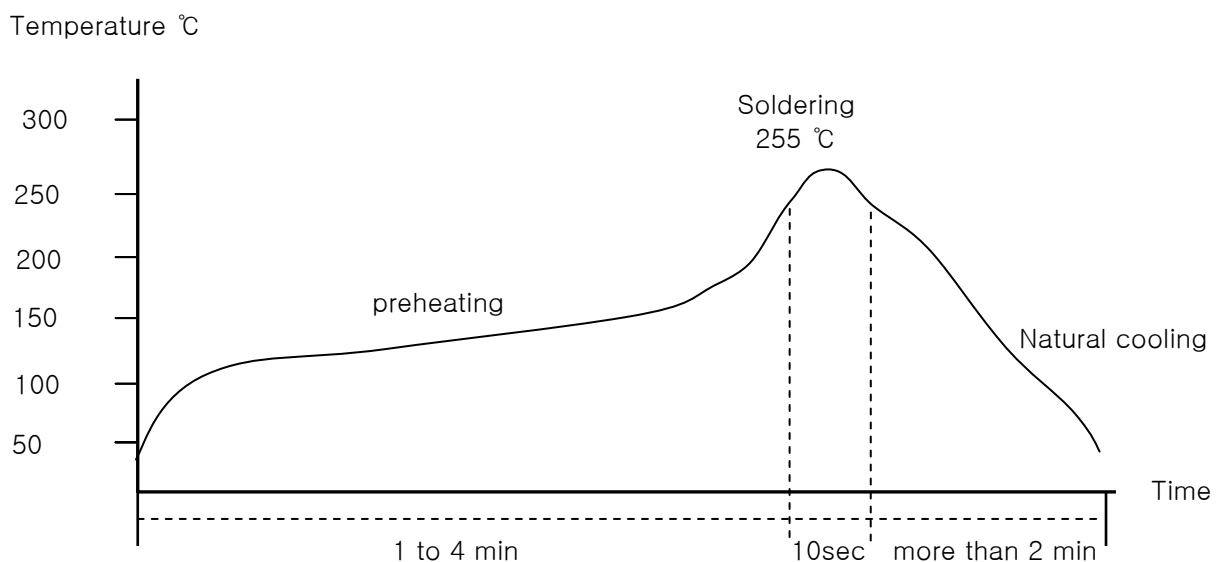
六.可靠性测试/RELIABILITY TESTING

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 100 MΩ at 100V D.C . between wire and core
Dielectric Strength	Apply at 0.5KV 3mA for 1 minute 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

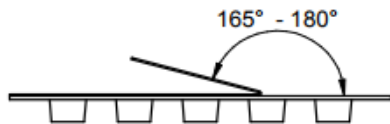
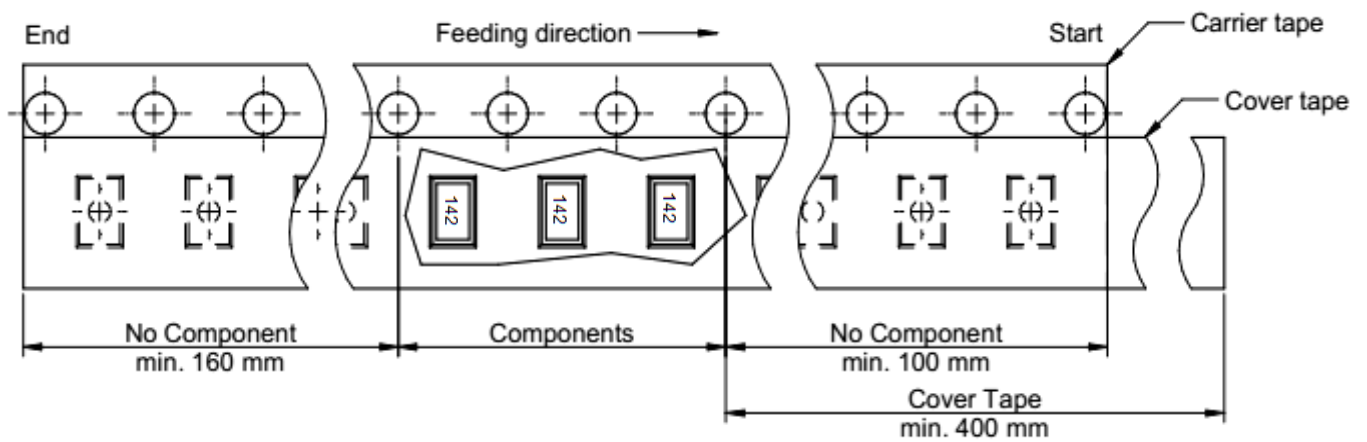


Temperature and humidity . After that , no mechanical and electrical defect should be found .

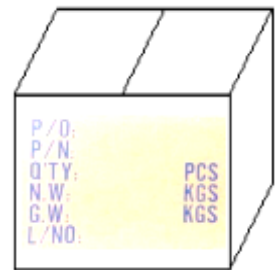
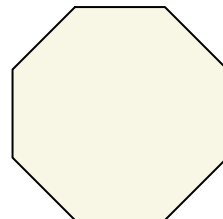
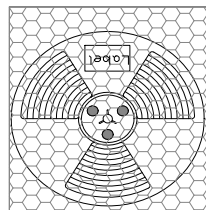
七.材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	WIRE	P180 G1
3	COVER	MYLAR
4	SOLDER	Sn99.3:Cu0.7
5	INK	BLACK

八.包装规格/PACKING SPECIFICATIONS



Tape width	Distance	Pull-of force
12 mm	8 mm	10~120g



轮盘：7'(直径178mm)
数量：1000PCS/盘

PE袋
数量：4000PCS/袋

内盒
数量：4000PCS/盒

外箱，数量：40000PCS/箱
不足整箱用内盒或填充物装满