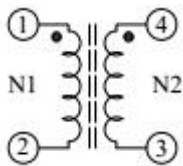


A: 10.0±0.5 B: 8.7±0.3 C: 6.5 MAX D: 6.22±0.1 E: 7.62±0.1 F: 1.4REF

● 电路图/CIRCUIT DIAGRAM



● 注意事项/NOTE:

1. 印字: 白色
2. 平整度: 0.1MM MAX

● 电气特性/ELECTRICAL CHARACTERISTIC

Part Number	Inductance L1=L2(uH) @100KHz/0.1 V	DC Resistance (mΩ) Max.	Rated Current (A)Max.	Hi-Pot (Vac) 3mA/1S	Impedance (Ω) Min	Freq. range (MHz)
GCM-1006C-100Y	10 ±40%	30	4.0	600	100	10~300
GCM-1006C-220Y	22 ±40%	35	3.8	600	300	10~200
GCM-1006C-470Y	47 ±40%	40	3.2	600	800	10~100
GCM-1006C-101Y	100 ±40%	25	3.0	1000	100	10~300
GCM-1006C-121Y	120 ±40%	25	2.5	1000	200	10~200
GCM-1006C-201Y	200 ±40%	15	3.0	1000	300	7~150
GCM-1006C-221Y	220 ±40%	32	2.2	1000	350	7~150

● 电气特性 /ELECTRICAL CHARACTERISTIC

Part Number	Inductance L1=L2(uH) @100KHz/0.1 V	DC Resistance (mΩ) Max.	Rated Current (A)Max.	Hi-Pot (Vac) 3mA/1S	Impedance (Ω) Min	Freq. range (MHz)
GCM-1006C-251Y	250 ±40%	35	2.0	1000	400	5~100
GCM-1006C-471Y	470 ±40%	65	1.60	1000	900	2~40
GCM-1006C-501Y	500 ±40%	70	1.50	1000	800	2~50
GCM-1006C-102Y	1000 ±40%	180	0.95	1000	1400	1~40
GCM-1006C-202Y	2000 ±40%	270	0.80	300	2000	0.5~15
GCM-1006C-222Y	2200 ±40%	300	0.75	300	3400	1~11
GCM-1006C-302Y	3000 ±40%	330	0.70	300	3000	0.5~10
GCM-1006C-332Y	3300 ±40%	360	0.65	300	4400	0.9~7
GCM-1006C-392Y	3900 ±40%	540	0.52	300	5000	0.7~6
GCM-1006C-402Y	4000 ±40%	600	0.45	300	4000	0.5~5
GCM-1006C-472Y	4700 ±40%	720	0.35	300	6200	0.6~3
GCM-1006C-502Y	5000 ±40%	780	0.30	300	5000	0.5~3

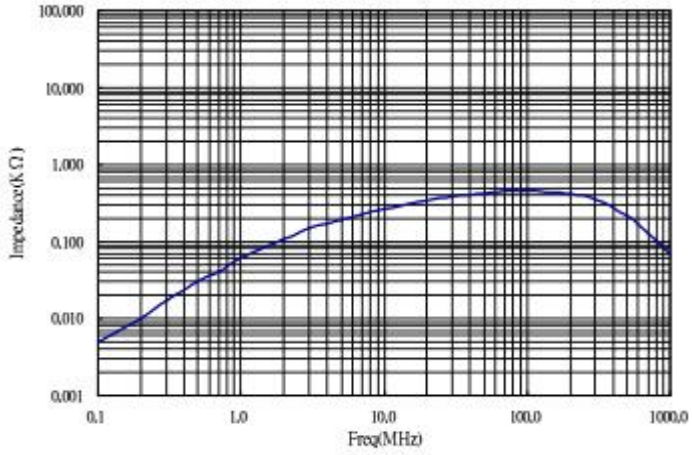
- (1).Rated Current: Temp.rise 40°C Typ
- (2).Operating Temperature: -20°C up to +125°C
- (3).Storage Temperature: -20°C up to +40°C, 75% RH max.

● 材料清单/MATERIAL LIST

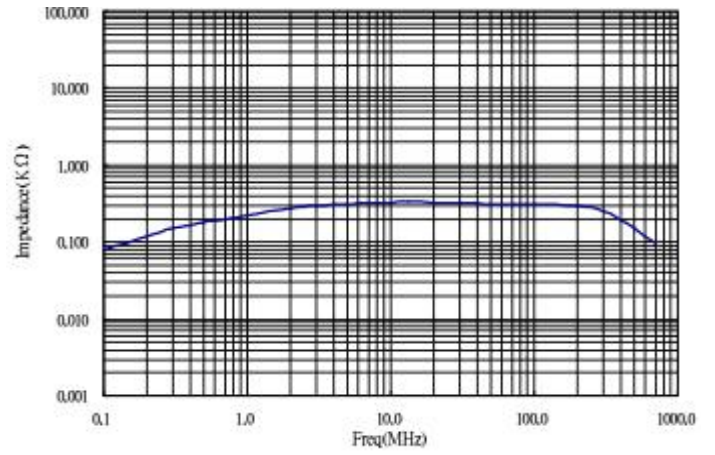
NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	CASE	DAP-WH9100
3	WIRE	P180 Grd1
4	SOLDER	Sn99.3:Cu0.7
5	ADHESIVE	XNR-3614
6	INK	WHITE

● 特征曲线/CHARACTERISTICS(REFERENCE)

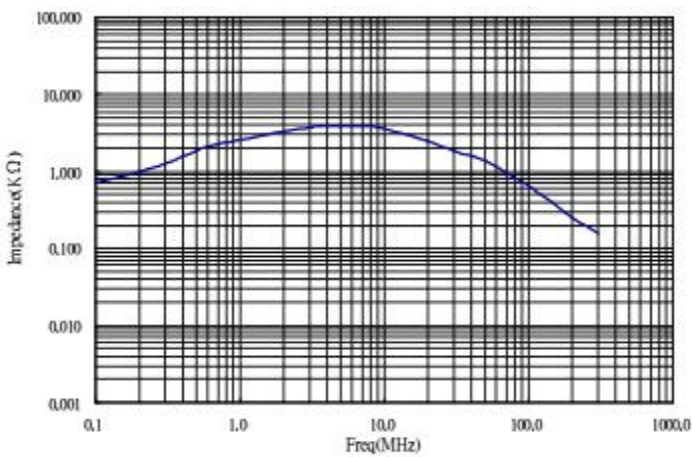
GCM-1006C-100Y



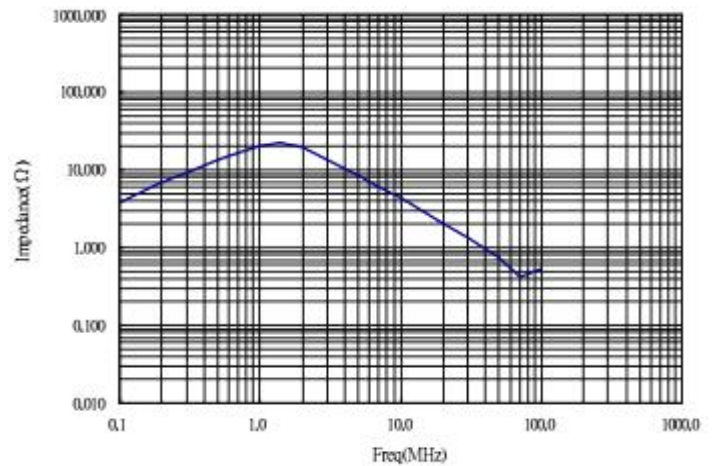
GCM-1006C-101Y



GCM-1006C-102Y



GCM-1006C-502Y

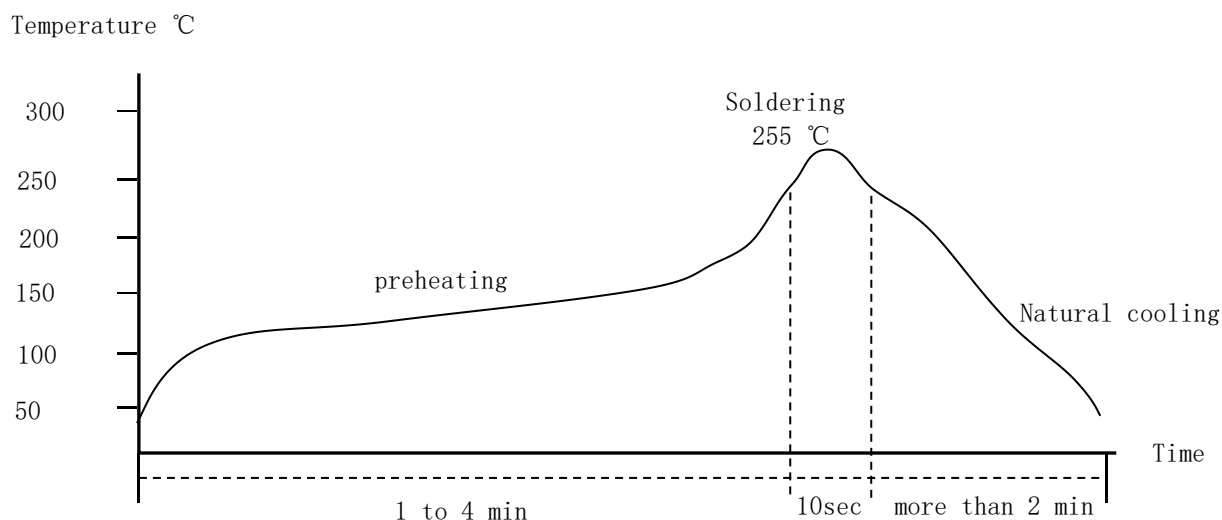


● 可靠性测试/RELIABILITY TESTING

Operating Temperature	- 20 to +80 °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 (- 20~ + 80 °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

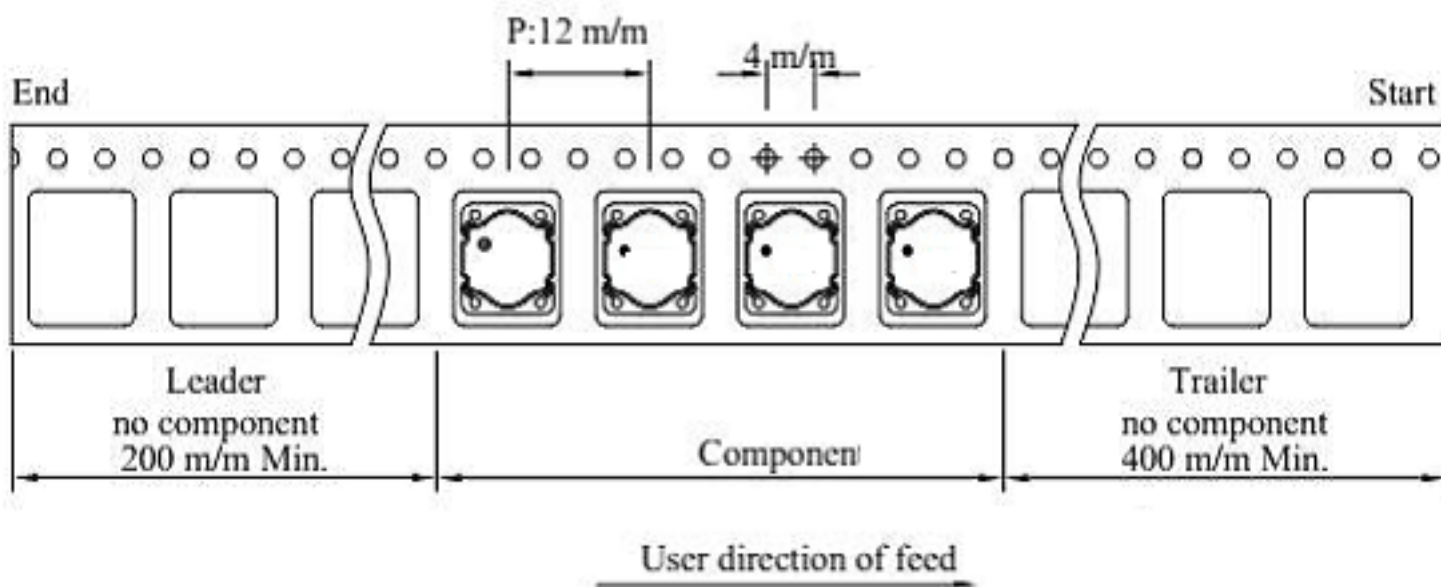
A test is made under the above mentioned condition , and it is kept for 2 hours in the normal

IR Reflow profile



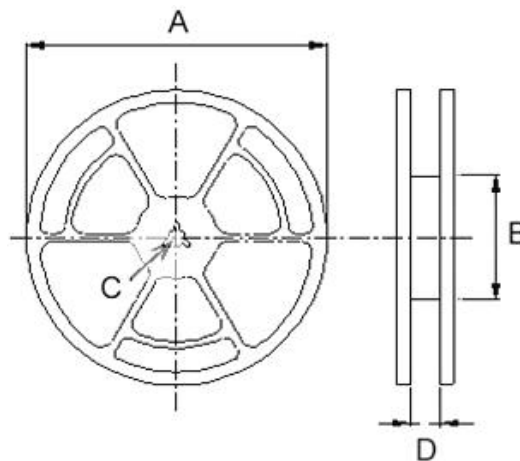
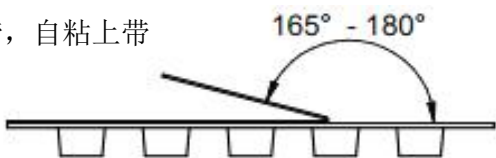
Temperature and humidity . After that , no mechanical and electrical defect should be found .

● 包装规格/PACKING SPECIFICATIONS (单位/UNIT: mm)

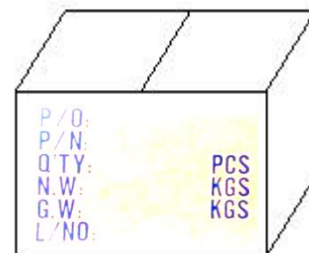
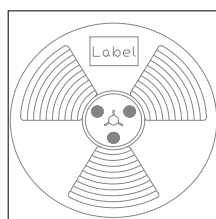
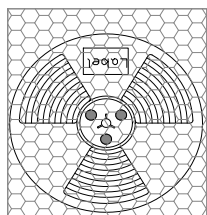
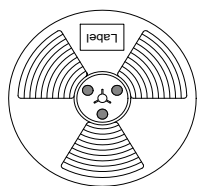


Tape width	Distance	Pull-of force
24 mm	12 mm	10~130g

透明下带，自粘上带



Reel Dimensions (Unit: mm)				Quantity
A	B	C	D	Pcs/Reel
330	100	13	24.5	800



轮盘: 13' (直径330mm)
数量: 800PCS/盘

PE袋
数量: 800PCS/袋

内盒
数量: 1600PCS/盒

外箱, 数量: 8000PCS/箱
不足整箱用内盒或填充物装满