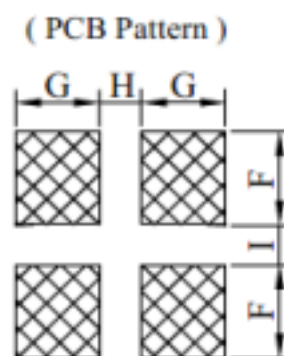
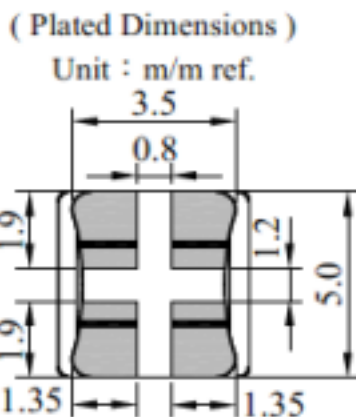
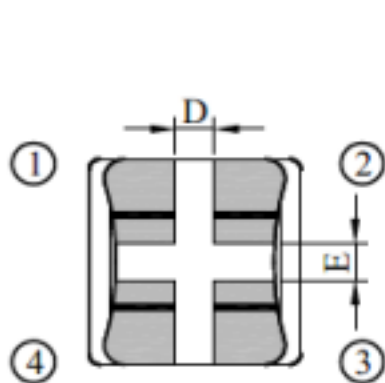
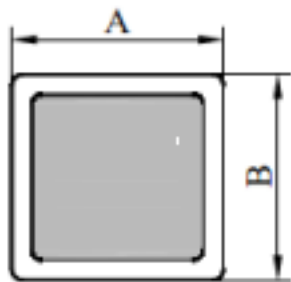


● 外观图/DIMENSION (单位/UNIT: mm)


 A: 4.8 ± 0.2

 B: 5.0 ± 0.2

C: 2.5 Max

D: 0.8 Typ

E: 1.0 Typ

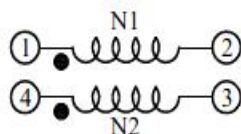
F: 2.3 Typ

G: 1.6 Typ

H: 0.8 Typ

I: 1.0 Typ

● 电路图/CIRCUIT DIAGRAM



● 电气特性/ELECTRICAL CHARACTERISTIC

CUSTOMER P/N	Common mode Impedance (Ω)	Test Frequency	Rated Voltage (Vdc) MAX	DCR ($m\Omega$) MAX	Rated Current (A) Max.	IR ($M\Omega$) MIN
GCM5020-101T	100 (Typ)	100MHz/0.5V	50	13	6.0	10
GCM5020-251T	250 (Typ)	100MHz/0.5V	50	20	5.0	10
GCM5020-501T	500 (Typ)	100MHz/0.5V	50	27	4.0	10
GCM5020-102T	1000 (Typ)	100MHz/0.5V	50	34	2.0	10
GCM5020-142T	1400 (Typ)	100MHz/0.5V	50	56	1.5	10
GCM5020-152T	1500 (Typ)	100MHz/0.5V	50	56	1.5	10

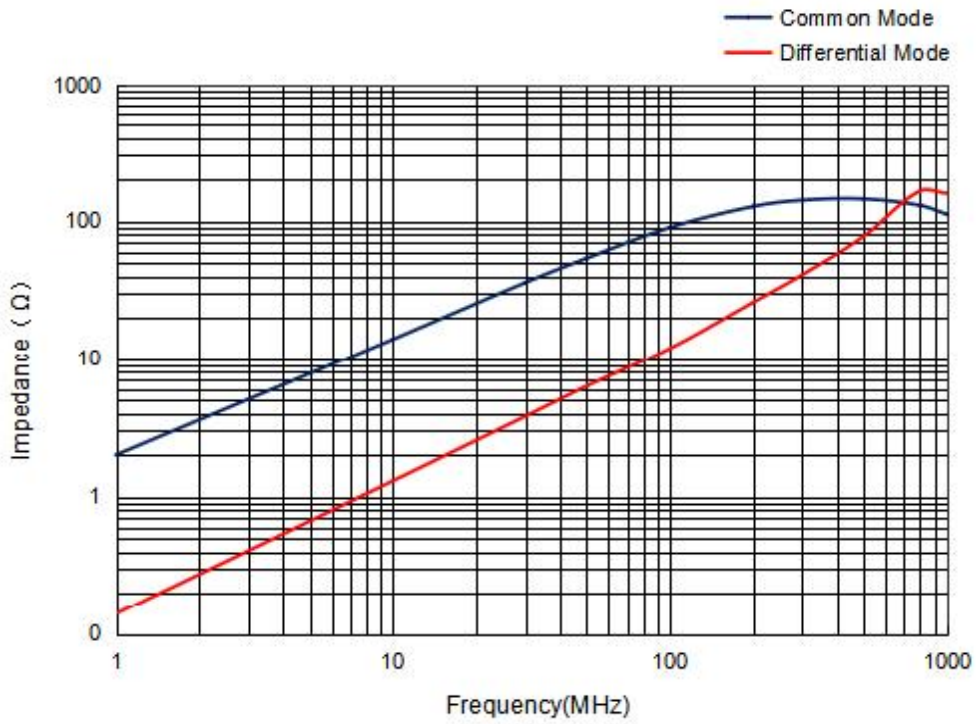
 (1).Rated Current: Temp.rise 40°C Typ

 (2).Operating Temperature: -40°C up to $+125^{\circ}\text{C}$

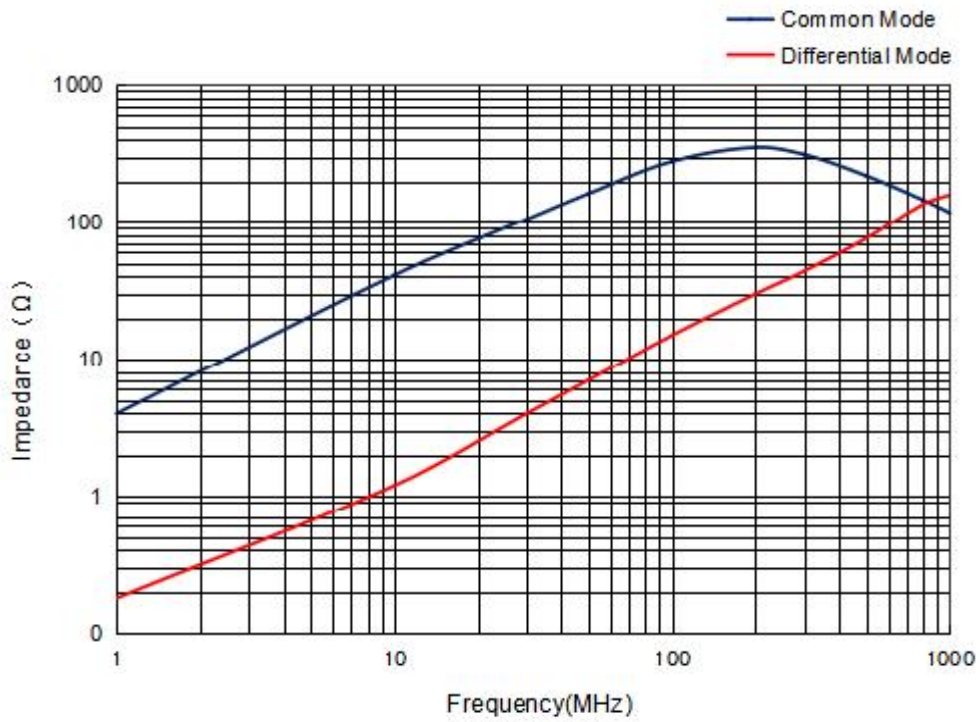
 (3).Storage Temperature: -20°C up to $+40^{\circ}\text{C}$, 75% RH max.

● 特征曲线/CHARACTERISTICS(REFERENCE)

GCM5020-101T

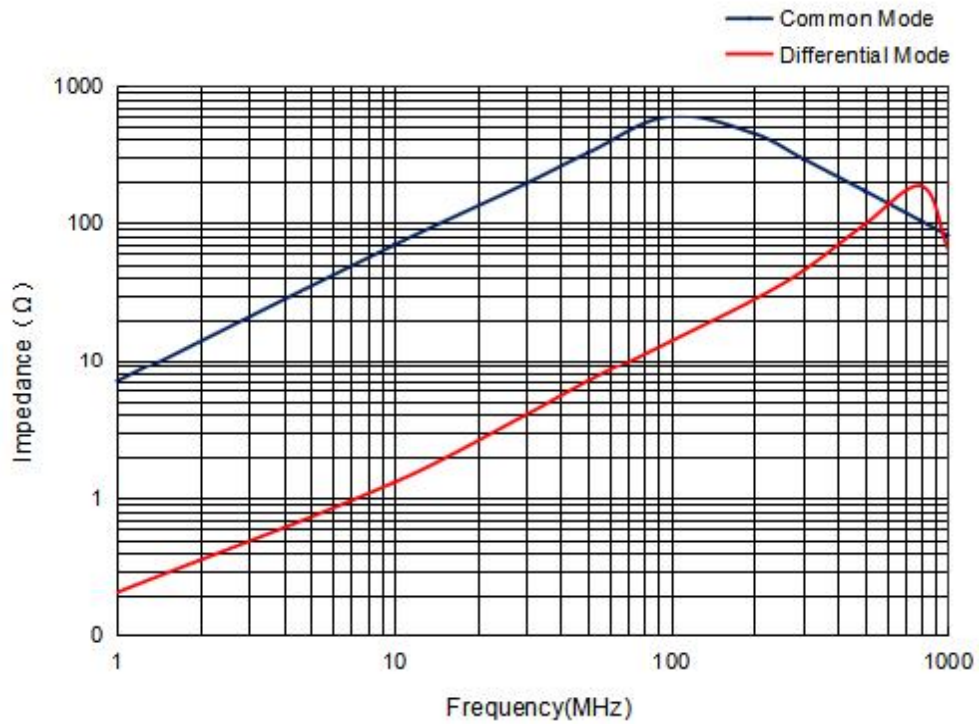


GCM5020-251T

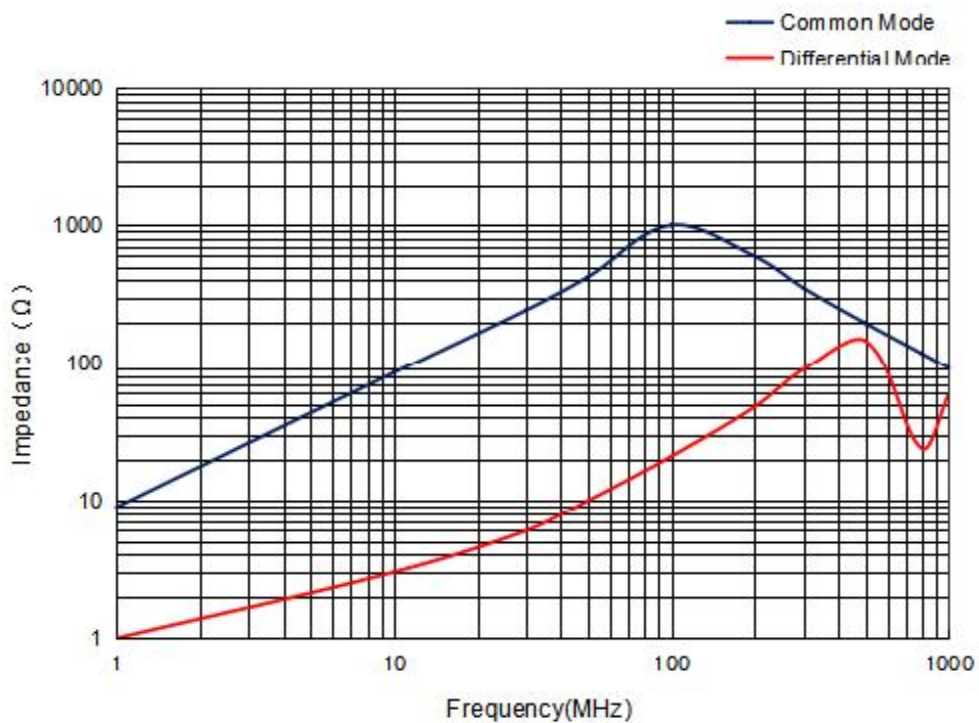


● 特征曲线/CHARACTERISTICS(REFERENCE)

GCM5020-501T

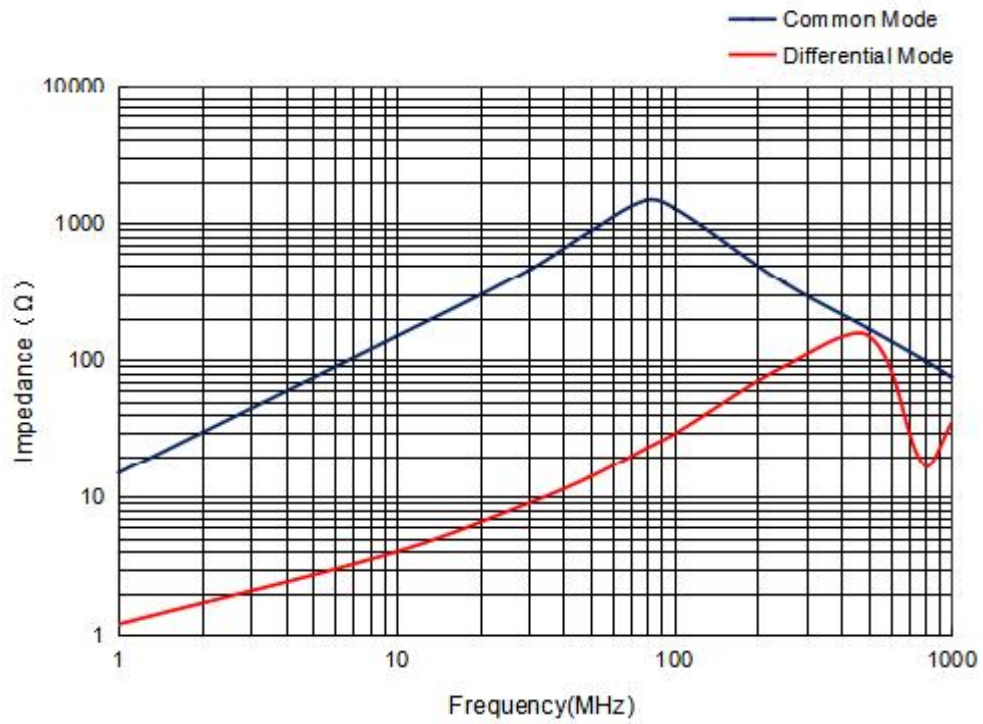


GCM5020-102T



● 特征曲线/CHARACTERISTICS(REFERENCE)

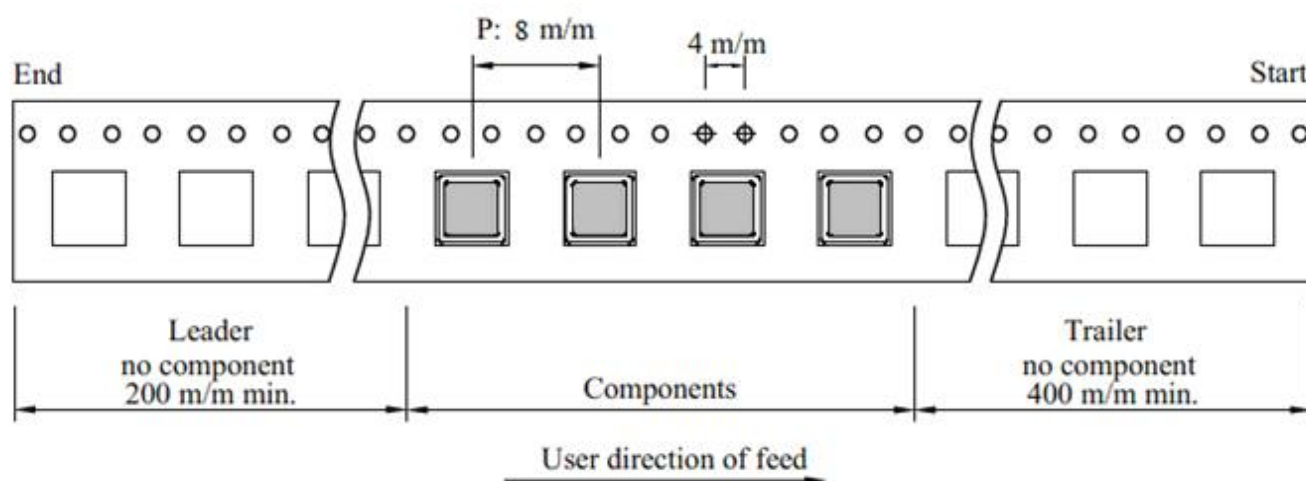
GCM5020-142T&152T



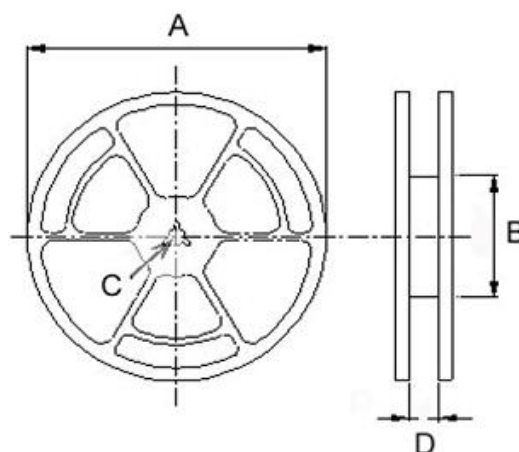
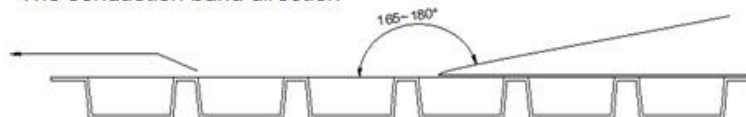
● 材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION	SUPPLIER
1	CORE	FERRITE	FENGYIN OR EQ
2	WIRE	P180 Grd1	ELEKTRISOLA OR EQ
3	ADHESIVE	EPOXY RESIN	NAGASE OR EQ
4	SOLDER	Sn99.3:Cu0.7	SHENMAO OR EQ

● 编带规格/TAPING SPECIFICATIONS

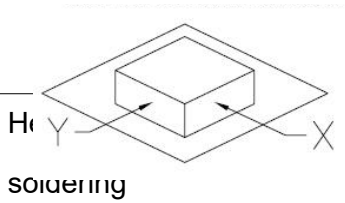


Adhesive strength of cover tape is 20 to 120 gf
The conduction band direction

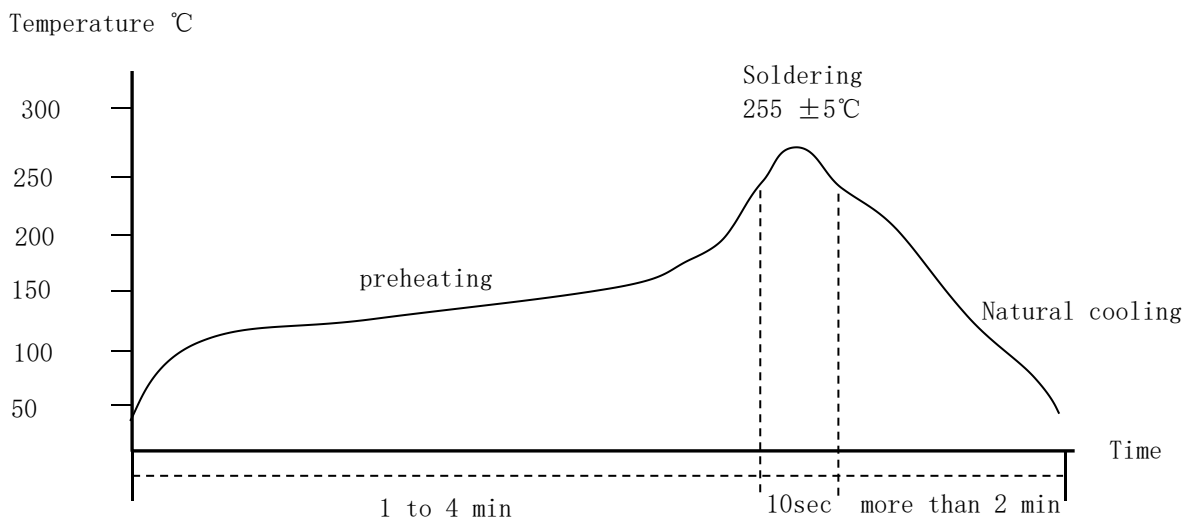


Reel Dimensions (Unit: mm)				Quantity
A	B	C	D	Pcs/Reel
330	100	13	12.5	2500

● 可靠性测试/RELIABILITY TESTING

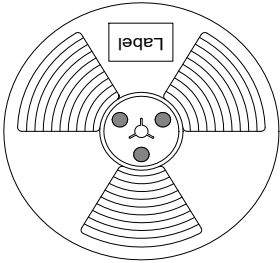
Operating Temperature	- 40 to +125 °C (Contain Heating coil)
Appearance Inspection	No external defects by visual inspection
Terminal Strength	After soldering , between copper plaet and terminals of coils , push in two directions of X , Y with standing 10N(1.02kg) for10+/-2 sec. Terminal should not peel off. (Refer to figure at right)
	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 1hours drying under normalcondition
A test is made under the above mentioned condition , and it is kept for 2 hours in the normal	

IR Reflow profile

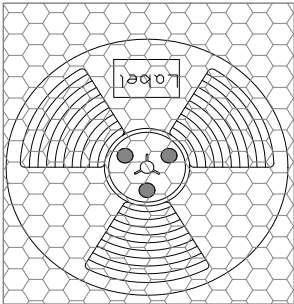


Temperature and humidity . After that , no mechanical and electrical defect should be found

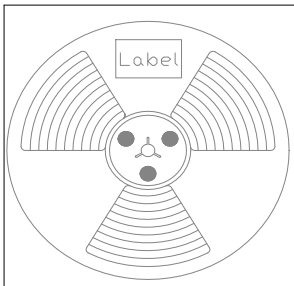
● 包装方式/PACKING LIST



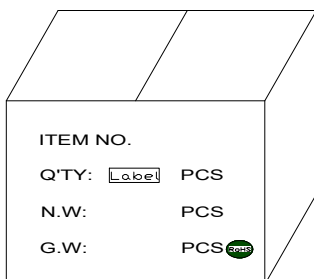
- 1、轮盘规格：13(直径330mm)
数量：2500PCS/盘



- 2、数量：2500PCS/袋.



- 3、数量：10000PCS/盒



- 4、数量：50000PCS/箱。
作业说明：当尾数箱不足一整箱时需用内盒或填充物装满.