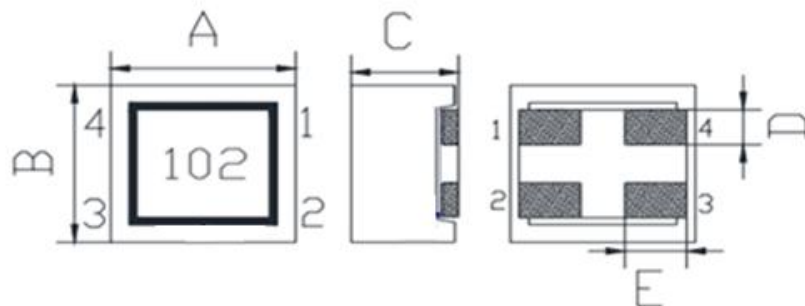


● 形状及尺寸/SHAPE AND DIMENSIONS (单位/Unit: mm)



A	B	C	D	E
5.0 ±0.3	4.5 ±0.3	2.8 ±0.3	1.0 Typ	1.65 Typ

● 产品编码/Part Numbering:

GCM4532I — 102 T

(1) (2) (3)

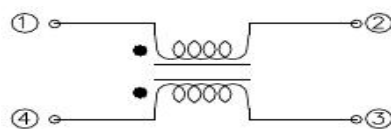
(1) Series

(2) Impedance(101=100 Ω 102=1000 Ω)

(3) Packaging Code: Taping Reel

● 注意事项/NOTE: 印字颜色: 白色

● 电路图/CIRCUIT DIAGRAM



● 电气特性/ELECTRICAL CHARACTERISTIC

CUSTOMER P/N	Z (Ω) TYP	Test Frequency	Rated Voltage (V)MAX	DCR (Ω) MAX	Rated Current (A)Max	IR (MΩ) MIN
GCM4532I-101T	100TYP	100MHz/0.5V	50	9.0m±40%	6.0	9-11
GCM4532I-251T	250TYP	100MHz/0.5V	50	14m±40%	5.0	9-11
GCM4532I-501T	500TYP	100MHz/0.5V	50	19m±40%	2.0	9-11
GCM4532I-102T	1000±30%	100MHz/0.5V	50	24m±40%	2.0	9-11
GCM4532I-142T	1400TYP	100MHz/0.5V	50	40m±40%	2.0	9-11

(1).Rated Current: Temp.rise 40°C Typ

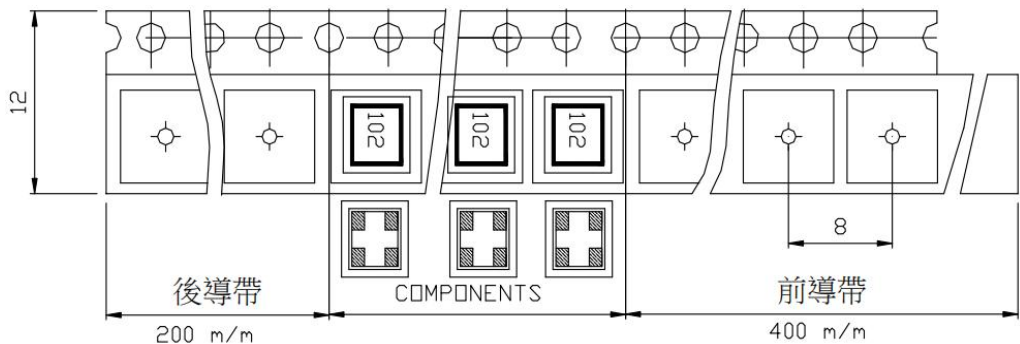
(2).Operating Temperature: -40°C up to +125°C

(3).Storage Temperature: 15°C up to 25°C, 65% RH max.

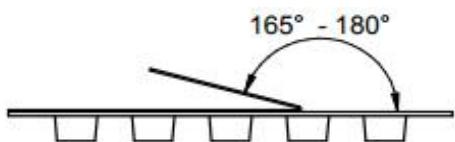
● 材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	WIRE	P180 Grd1
3	ADHESIVE	EPOXY RESIN
4	SOLDER	Sn99.3:Cu0.7
5	INK	WHITE

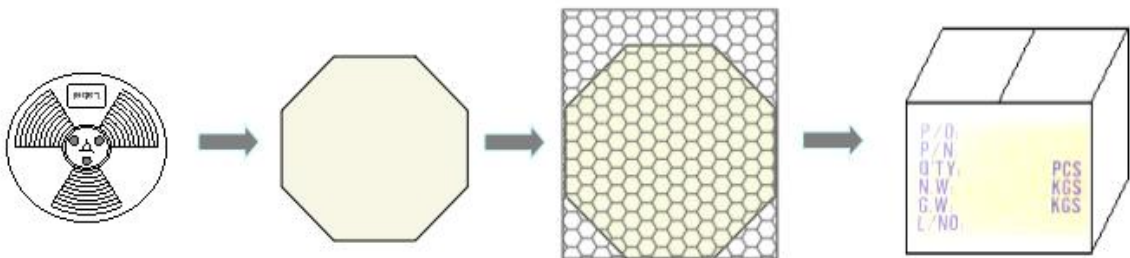
● 编带规格/TAPING SPECIFICATIONS



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



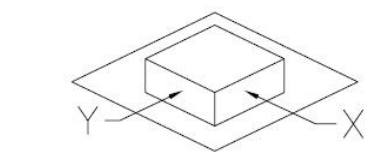
Tape width	Distance	Pull-of force
12 mm	8mm	10~120g



轮盘：7' (直径178mm) 数量：500PCS/盘 PE袋 数量：1500PCS/袋 内盒 数量：1500PCS/盒 外箱，数量：7500PCS/箱
不足整箱用内盒或填充物装满

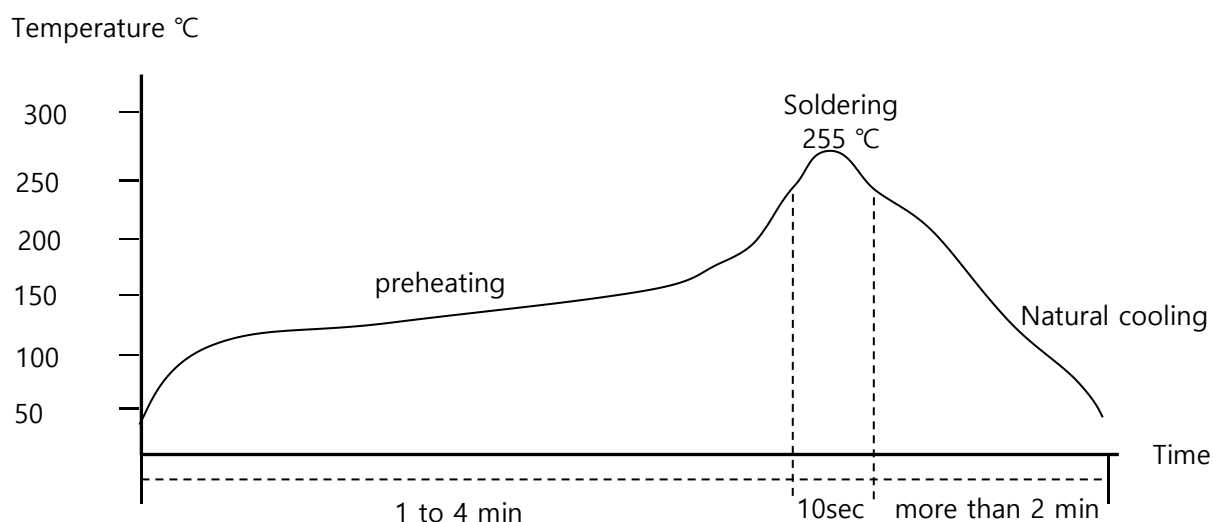
● 可靠性测试/RELIABILITY TESTING

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 .