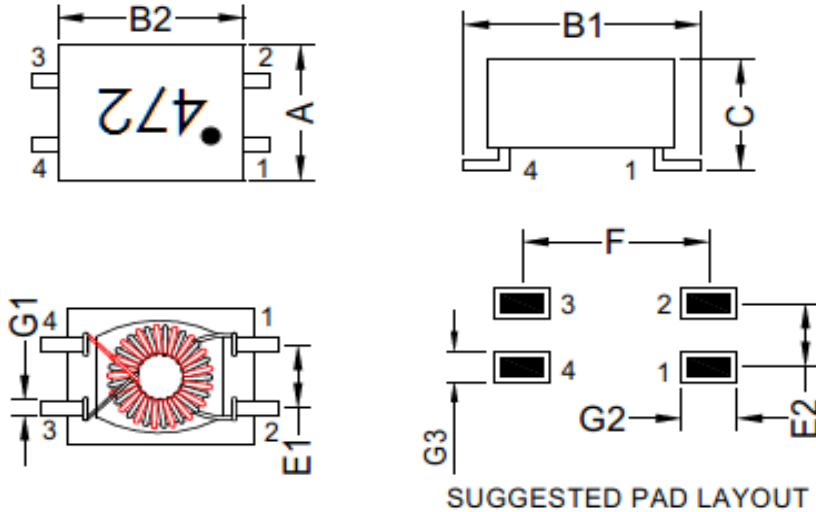


ITEM P/N	RYCM0905T-SERIES	TEST INSTRUMENT	Agilent4263/Agilent4338
PRODUCT	功率電感	TEST FREQUENCY	100KHz/0.1V

**PACKING DIMENSIONS (mm)**

0905T-471	Dimensions
A	6.4 Max
B1	9.5 Max
B2	7.5 Max
C	5.6 Max
E1	2.54 Typ
G1	0.50 Typ
E2	2.54 Typ
F	8.90 Typ
G1	2.72 Typ
G2	1.30 Typ

**EXPLANATION OF PART NUMBERS**

1	2	3	4	5	6	7	8	9	10	11
R	Y	C	M	0	9	0	5T	4	7	1
<u>Serial Codes</u>					<u>Size</u>			<u>Inductors</u>		

**ELECTRICAL CHARACTERISTICS**

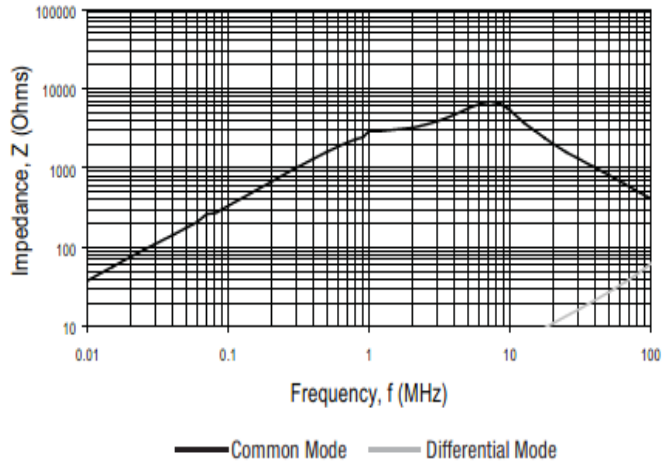
品名 Part Number	电感量 Inductance	漏电感 Leakage Inductance	直流电阻 DC Resistance	额定电流 Current Rating	绝缘阻抗 Isolation
RYCM0905T-471	0.47mH +50%/-30%	0.4uH Max	0.3Ω Max	0.7A	500V
RYCM0905T-102	1.0mH +50%/-30%	0.4uH Max	0.3Ω Max	0.7A	500V
RYCM0905T-222	2.2mH +50%/-30%	0.6uH Max	0.4Ω Max	0.5A	500V
RYCM0905T-472	4.7mH +50%/-30%	0.8uH Max	0.7Ω Max	0.4A	500V

- ⊙ All test Data is referenced to 25°C ambient
- ⊙ Typical Heat Rating DC Current would cause an approximately ΔT of 40°C
- ⊙ Operation Temperature Range : -40°C ~ 125°C
- ⊙ The Part temperature (ambient + ΔT) should not exceed 125°C under worst case operating conditions.
- ⊙ Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all effect the part temperature. Part temperature should be verified in the end application.

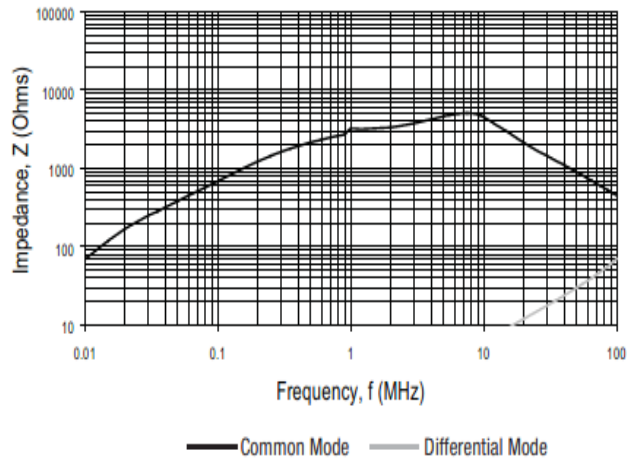
ITEM P/N	RYCM0905T-SERIES	TEST INSTRUMENT	Agilent4263/Agilent4338
PRODUCT	功率电感	TEST FREQUENCY	100KHz/0.1V

**CHARACTERISTICS**

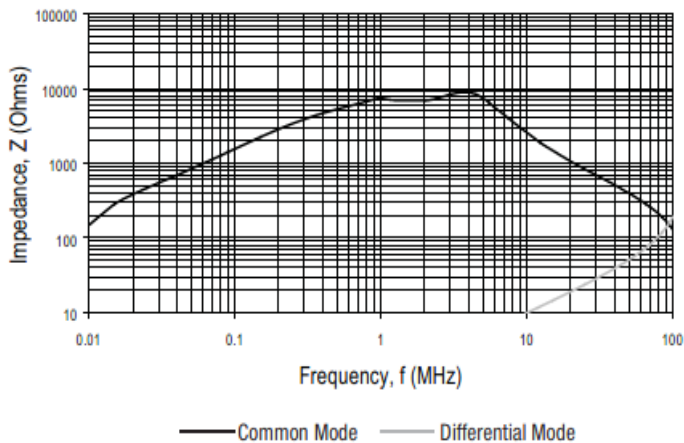
RYCM0905T-471



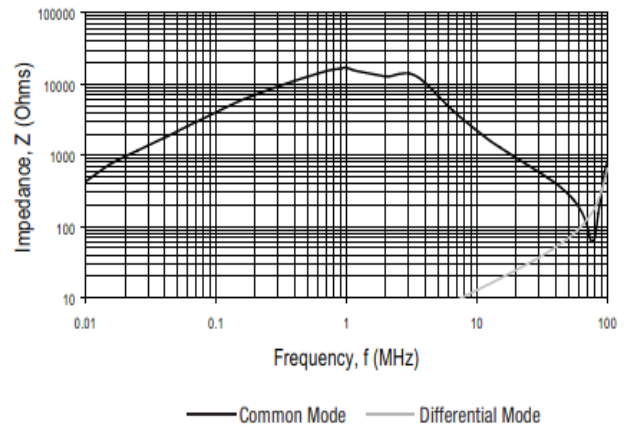
RYCM0905T-102



RYCM0905T-222



RYCM0905T-472



<b>ITEM P/N</b>	<b>RYCM0905T-SERIES</b>	<b>TEST INSTRUMENT</b>	<b>Agilent4263/Agilent4338</b>
<b>PRODUCT</b>	<b>功率電感</b>	<b>TEST FREQUENCY</b>	<b>100KHz/0.1V</b>

**NOTE :**

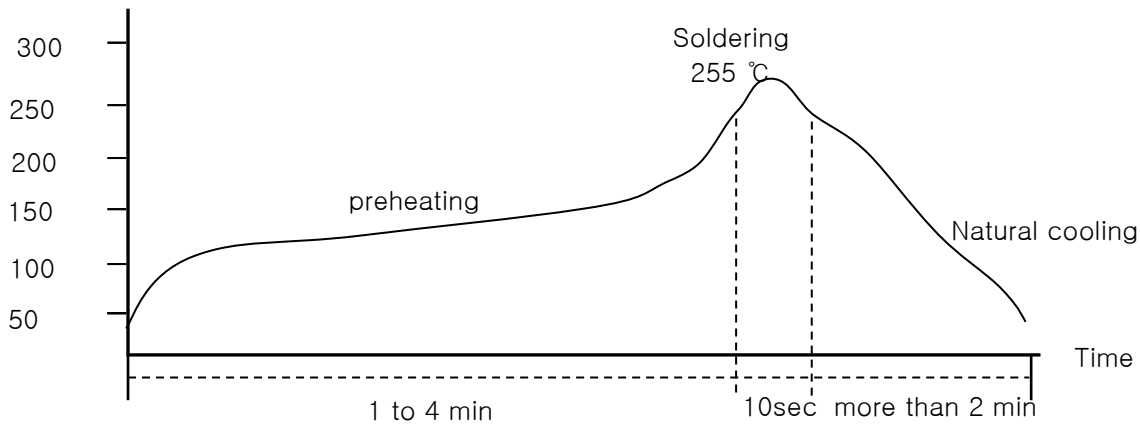
- 1.印字 : Gulim 6.5# 白色字体.
- 2.打点需对准PIN1脚.

**CIRCUIT DIAGRAM****MATERIAL LIST**

NO.	ITEM	DESCRIPTION	SUPPLIER
1	CORE	FERRITE	FENGYIN OR EQ
2	CASE	SC-0186	SHUO CHENG OR EQ
3	WIRE	P180 Grd1	ELEKTRISOLA OR EQ
4	EPOXY	E-XNR3614	CHANGLAI OR EQ
5	SOLDER	Sn99.3:Cu0.7	SHENMAO OR EQ
6	INK	WHITE	BON MARQUE OR EQ

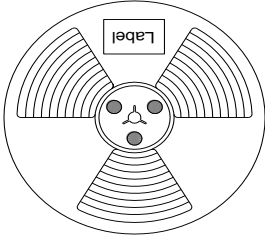
**IR Reflow profile**

Temperature °C

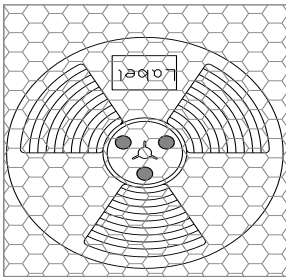


Temperature and humidity . After that , no mechanical and electrical defect should be found .

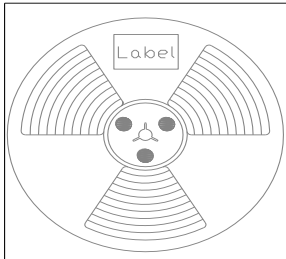
ITEM P/N	RYCM0905T-SERIES	TEST INSTRUMENT	Agilent4263/Agilent4338
PRODUCT	功率電感	TEST FREQUENCY	100KHz/0.1V

**PACKAGING**

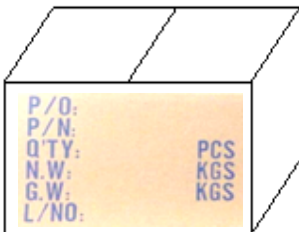
1、轮盘规格：13'(直径330mm)  
数量：1500PCS/盘



2、数量：1500PCS/袋.



3、数量：4500PCS/盒

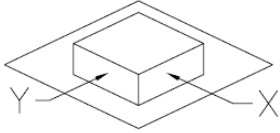


4、数量：22500PCS/箱.  
作业说明：当尾数箱不足一整箱时需用内盒或填充物装满.

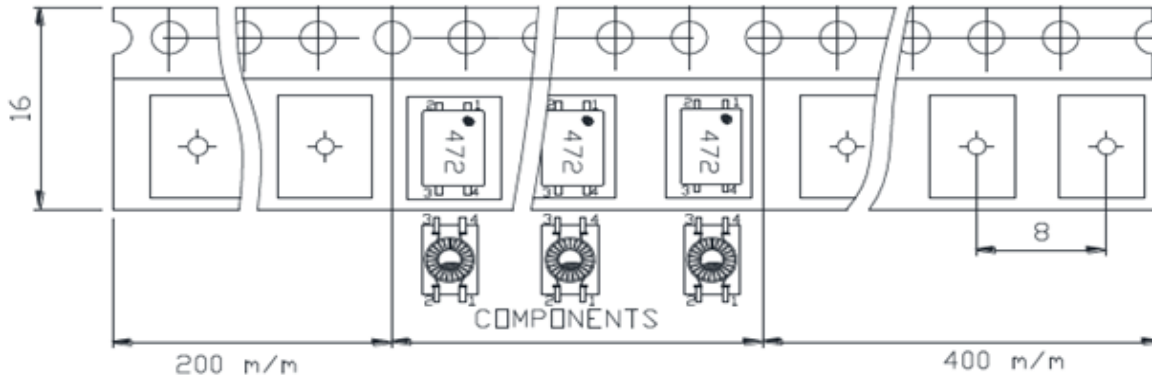
<b>ITEM P/N</b>	<b>RYCM0905T-SERIES</b>	<b>TEST INSTRUMENT</b>	<b>Agilent4263/Agilent4338</b>
<b>PRODUCT</b>	<b>功率電感</b>	<b>TEST FREQUENCY</b>	<b>100KHz/0.1V</b>

**RELIABILITY**

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

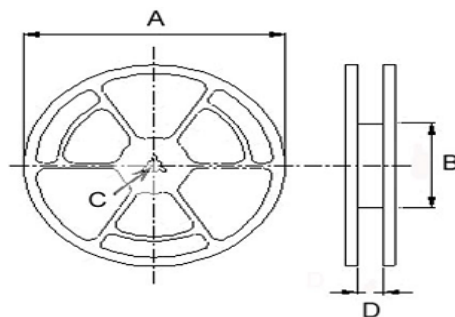
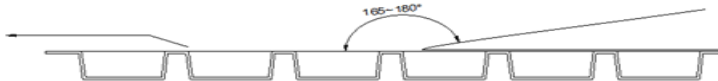


A test is made under the above mentioned condition , and it is kept for 2 hours in the normal

**TAPING SPECIFICATIONS**

Transparent carrier and cover tape/透明載帶和自粘上帶

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	16.5	1500