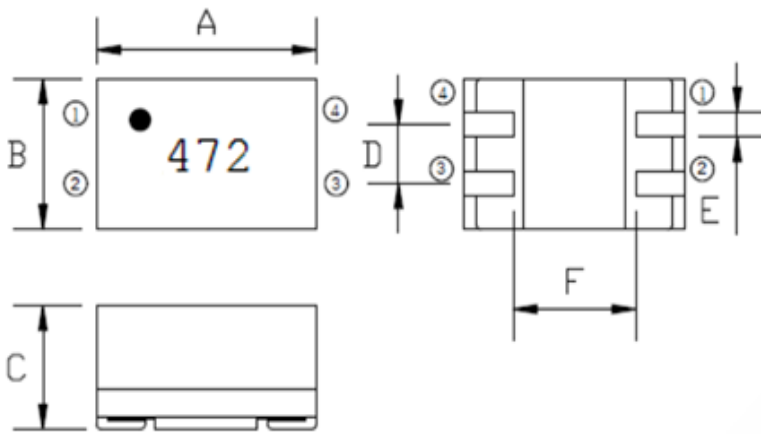


ITEM P/N	RYCM0905U-SERIES	TEST INSTRUMENT	Agilent4263/Agilent4338
PRODUCT	功率電感	TEST FREQUENCY	100KHz/0.1V

PACKING DIMENSIONS (mm)

0905U-250	Dimensions
A	9.2±0.3
B	6.0±0.3
C	5.0±0.3
D	2.54±0.2
E	1.0 TYP
F	5.7 REF

EXPLANATION OF PART NUMBERS

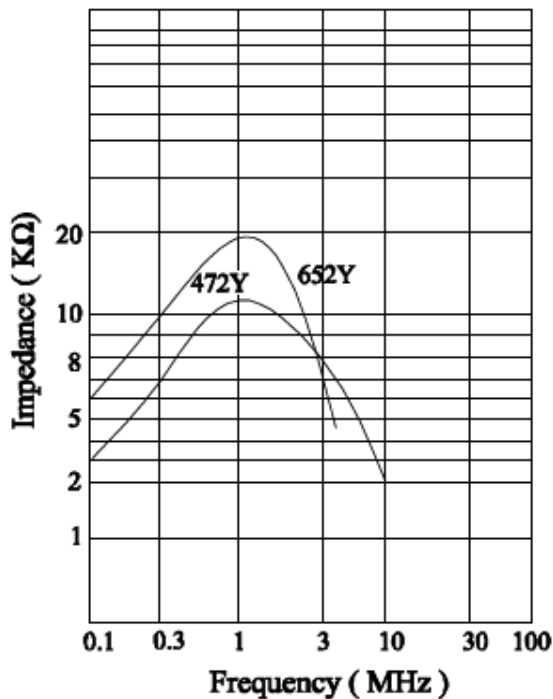
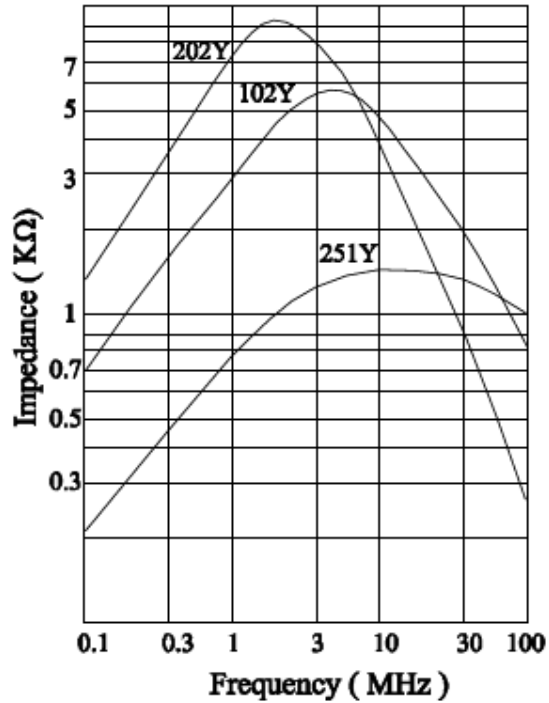
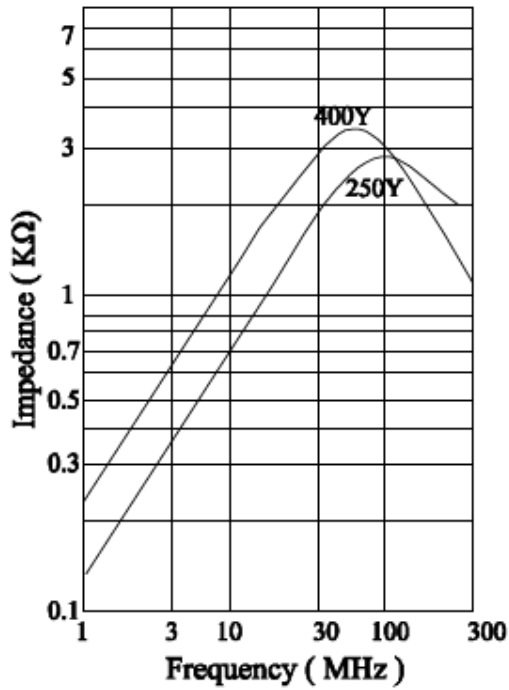
1	2	3	4	5	6	7	8	9	10	11
R	Y	C	M	0	9	0	5U	2	5	0
Serial Codes					Size		Inductors			

ELECTRICAL CHARACTERISTICS

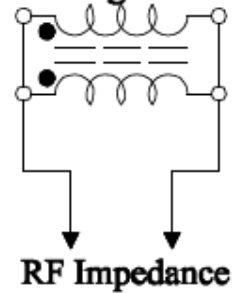
RS P/N	Inductance L1,L2 (uH)		DC Resistance N1,N2(Ω)	Rated Current (A)	Impedance (Ω) Min	Freq. Range (MHz)	IR (MΩ) Min	Rated Voltage (V)Max	Marking
RYCM0905U-250	25±30%	1KHz/0.1V	0.16 Max	1.0	600	20 ~ 150	10	50	• 250
RYCM0905U-400	40 ±30%	1KHz/0.1V	0.25 Max	0.9	800	20 ~ 100	10	50	• 400
RYCM0905U-251	250 ±50%	100KHz/0.05V	0.13 Max	1.2	600	3 ~ 20	10	50	• 251
RYCM0905U-102	1000 ±50%	100KHz/0.05V	0.31 Max	0.8	1500	1 ~ 15	10	50	• 102
RYCM0905U-202	2000 ±50%	100KHz/0.05V	0.42 Max	0.6	3000	1 ~ 5	10	50	• 202
RYCM090UC-472	4700 ±50%	100KHz/0.05V	0.90 Max	0.4	4000	0.3 ~ 3	10	50	• 472
RYCM0905U-652	6500 ±50%	100KHz/0.05V	1.05 Max	0.3	5000	0.3 ~ 2	10	50	• 652

- ⊙ 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	RYCM0905U-SERIES	TEST INSTRUMENT	Agilent4263/Agilent4338
PRODUCT	功率電感	TEST FREQUENCY	100KHz/0.1V

CHARACTERISTICS

Measuring circuit :

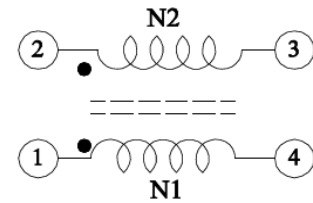


ITEM P/N	RYCM0905U-SERIES	TEST INSTRUMENT	Agilent4263/Agilent4338
PRODUCT	功率電感	TEST FREQUENCY	100KHz/0.1V

NOTE :

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

CIRCUIT DIAGRAM

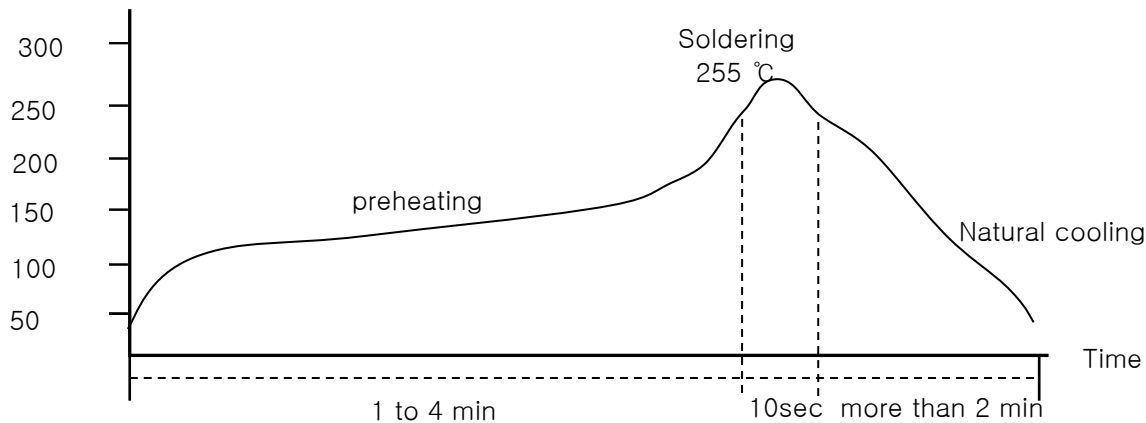


MATERIAL LIST

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

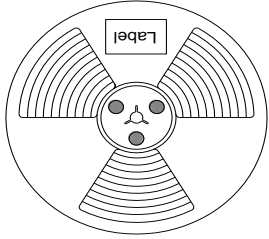
IR Reflow profile

Temperature °C

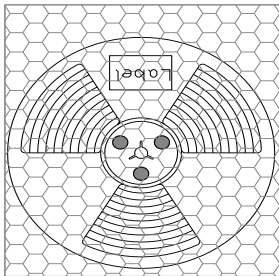


Temperature and humidity . After that , no mechanical and electrical defect should be found .

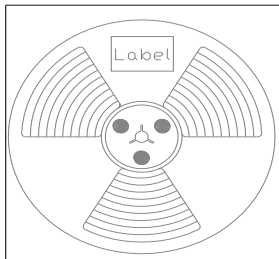
ITEM P/N	RYCM0905U-SERIES	TEST INSTRUMENT	Agilent4263/Agilent4338
PRODUCT	功率電感	TEST FREQUENCY	100KHz/0.1V

PACKAGING

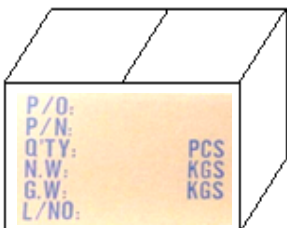
- 1、轮盘规格：13'(直径330mm)
数量：1000PCS/盘



- 2、数量：1000PCS/袋.



- 3、数量：3000PCS/盒

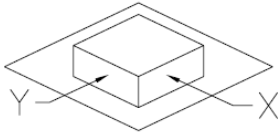


- 4、数量：15000PCS/箱.
作业说明：当尾数箱不足一整箱时需用内盒或填充物装满.

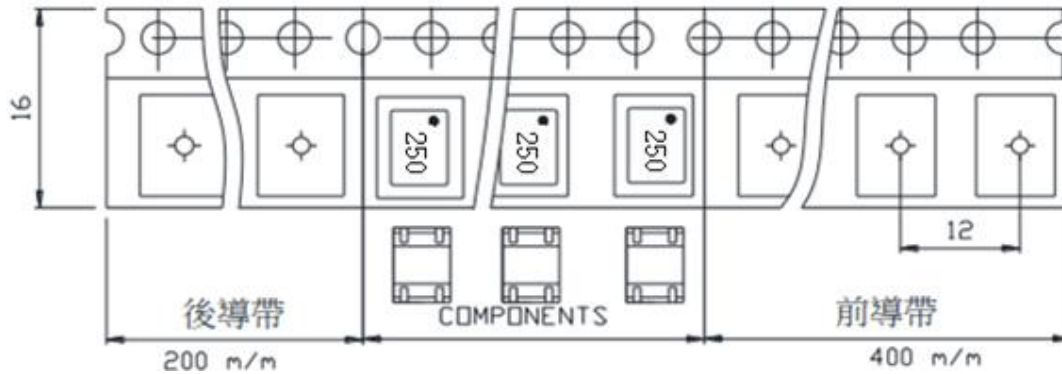
ITEM P/N	RYCM0905U-SERIES	TEST INSTRUMENT	Agilent4263/Agilent4338
PRODUCT	功率電感	TEST FREQUENCY	100KHz/0.1V

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

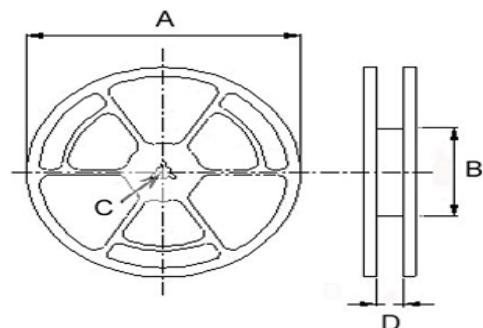
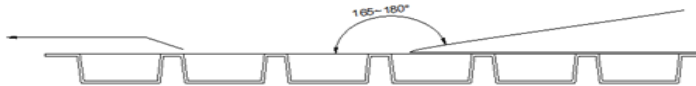


A test is made under the above mentioned condition , and it is kept for 2 hours in the normal

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	1000