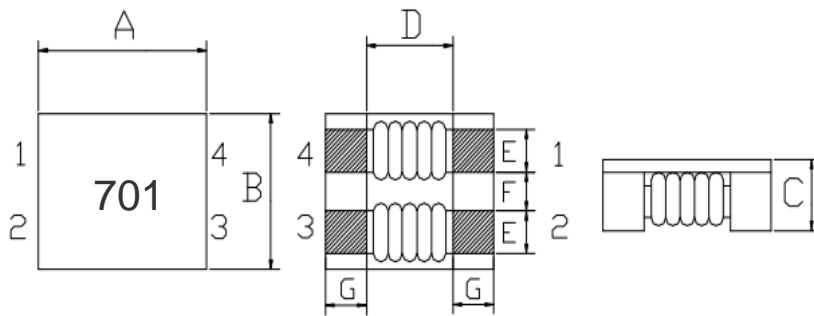


ITEM P/N	RYCM9070F-SERIES	TEST INSTRUMENT	Agilent4291/Agilent4338
PRODUCT	功率電感	TEST FREQUENCY	100MHz/0.1V

PACKING DIMENSIONS (mm)

9070F-301	Dimensions
A	9.0 ±0.5
B	7.0 ±0.5
C	4.8 Max
D	5.7 Typ
E	1.5 ±0.2
F	2.0 ±0.2
G	1.7 ±0.2

EXPLANATION OF PART NUMBERS

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

ELECTRICAL CHARACTERISTICS

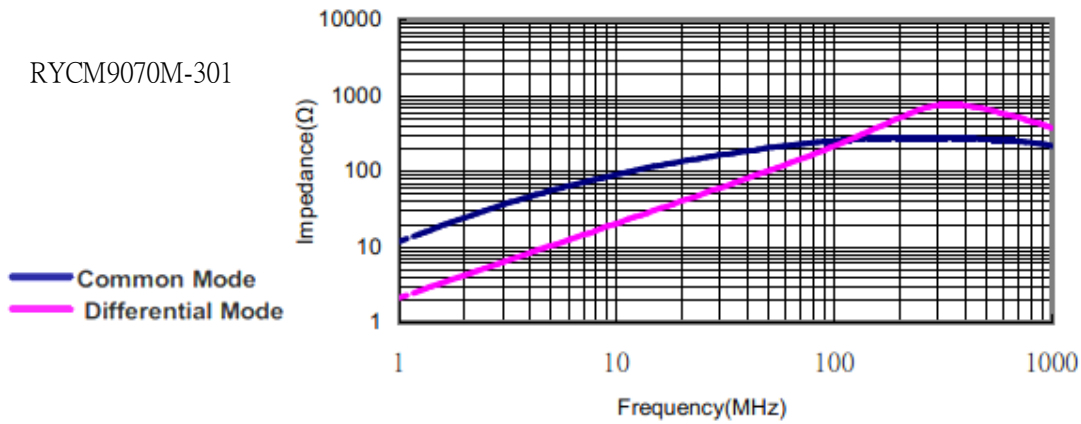
Product No.	Z (Ω) 100MHz/0.1V		DCR (mΩ) MAX	Rated Current (A) Max	IR (MΩ) MIN	Rated Voltage (V) MAX	MARKING
	MIN	TYP					
RYCM9070F-301	225	300	6	6.0	10	50	301
RYCM9070F-501	450	600	8	5.5	10	50	501
RYCM9070F-701	500	700	10	5.0	10	50	701
RYCM9070F-102	750	1000	13	4.0	10	50	102
RYCM9070F-222	1700	2200	60	2.5	10	50	222
RYCM9070F-302	2500	3000	70	3.0	10	50	302

- ⊙ 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.

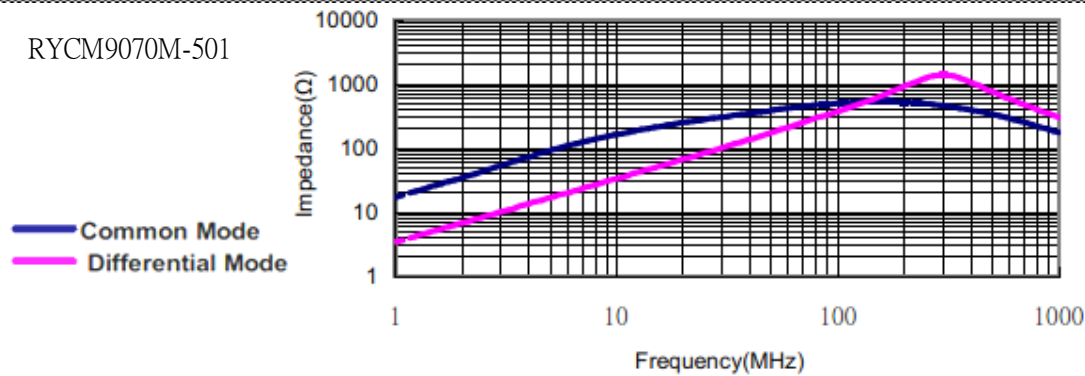
ITEM P/N	RYCM9070F-SERIES	TEST INSTRUMENT	Agilent4291/Agilent4338
PRODUCT	功率電感	TEST FREQUENCY	100MHz/0.1V

CHARACTERISTICS

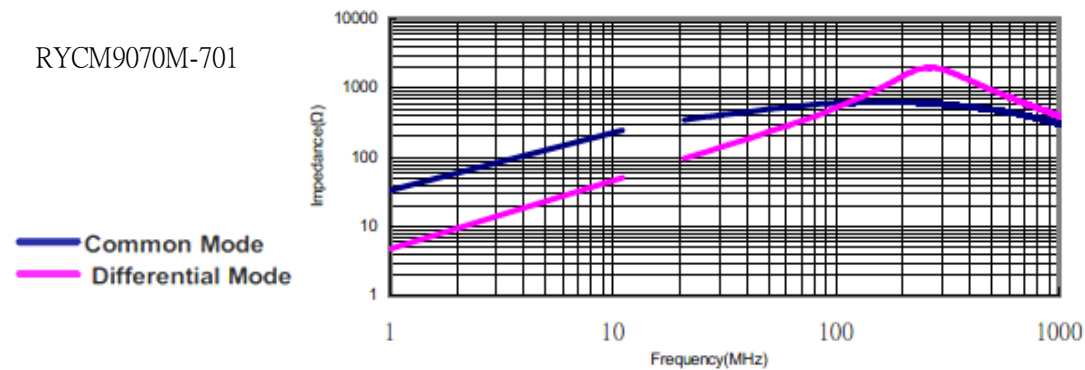
RYCM9070M-301



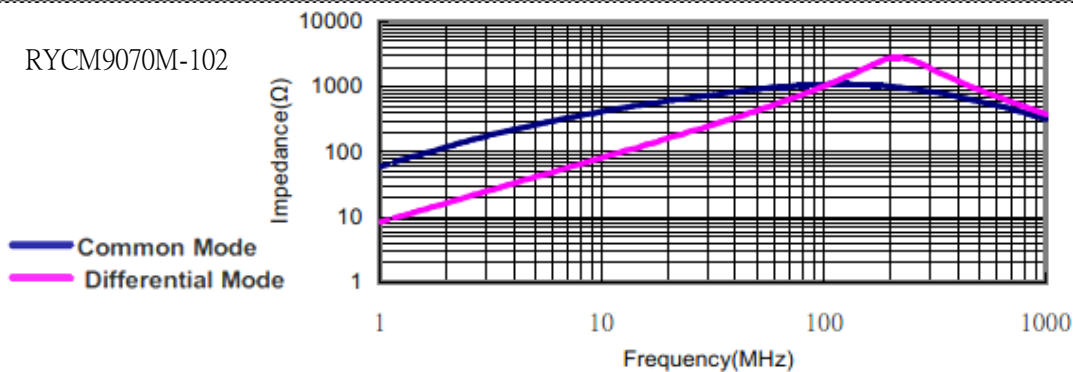
RYCM9070M-501



RYCM9070M-701



RYCM9070M-102

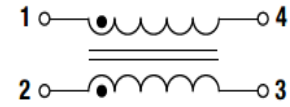


ITEM P/N	RYCM9070F-SERIES	TEST INSTRUMENT	Agilent4291/Agilent4338
PRODUCT	功率電感	TEST FREQUENCY	100MHz/0.1V

NOTE :

1.印字规格：黑色Gulim 9.5#字体

CIRCUIT DIAGRAM

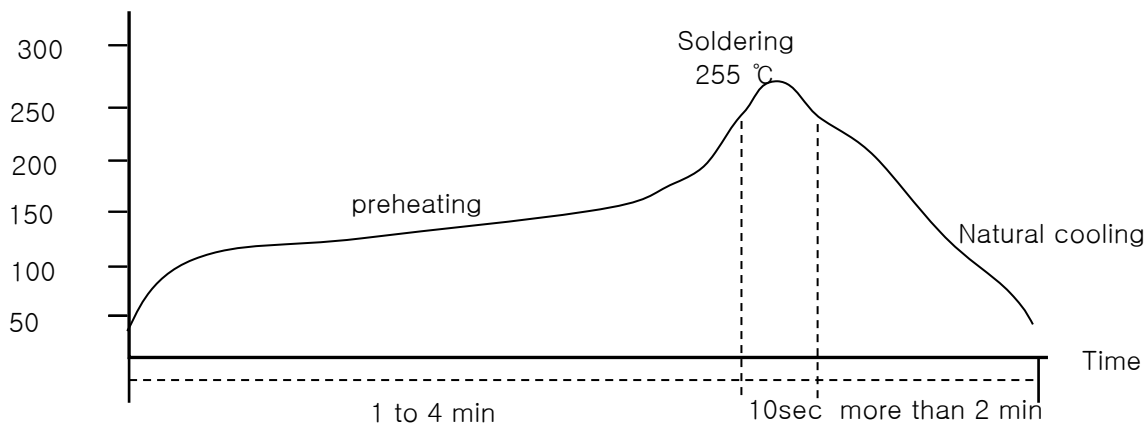


MATERIAL LIST

NO.	ITEM	DESCRIPTION	SUPPLIER
1	CORE	FERRITE	FENGYIN OR EQ
2	COVER	MYLAR	AIMA OR EQ
3	WIRE	P180 Grd1	ELEKTRISOLA OR EQ
4	SOLDER	Sn99.3:Cu0.7	SHENMAO OR EQ
5	INK	BLACK	BON MARQUE OR EQ

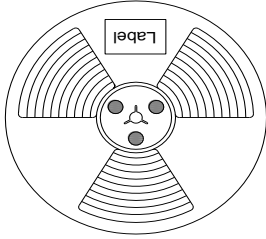
IR Reflow profile

Temperature °C

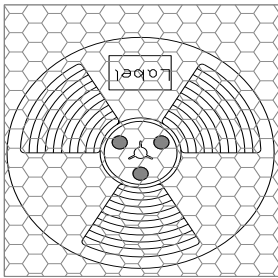


Temperature and humidity . After that , no mechanical and electrical defect should be found .

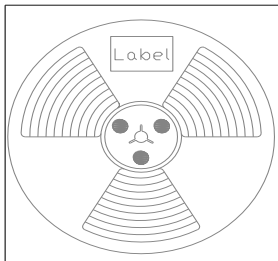
ITEM P/N	RYCM9070F-SERIES	TEST INSTRUMENT	Agilent4291/Agilent4338
PRODUCT	功率電感	TEST FREQUENCY	100MHz/0.1V

PACKAGING

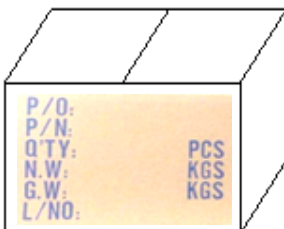
- 1、轮盘规格：13'(直径330mm)
数量：700PCS/盘



- 2、数量：700PCS/袋.



- 3、数量：1400PCS/盒

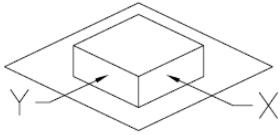


- 4、数量：7000PCS/箱.
作业说明：当尾数箱不足一整箱时需用内盒或填充物装满.

ITEM P/N	RYCM9070F-SERIES	TEST INSTRUMENT	Agilent4291/Agilent4338
PRODUCT	功率電感	TEST FREQUENCY	100MHz/0.1V

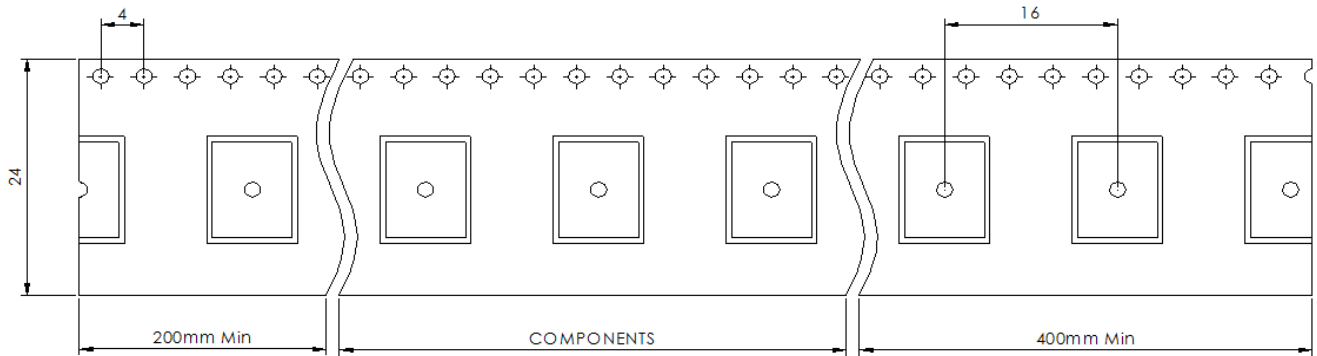
RELIABILITY

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



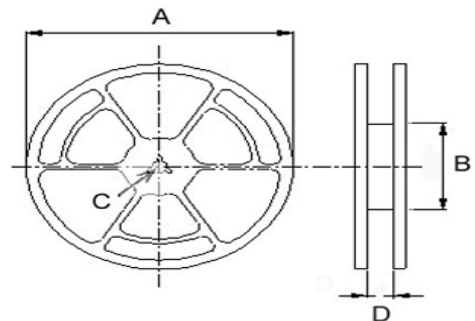
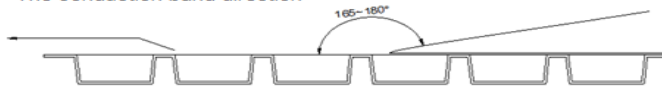
A test is made under the above mentioned condition , and it is kept for 2 hours in the normal

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	24.5	700