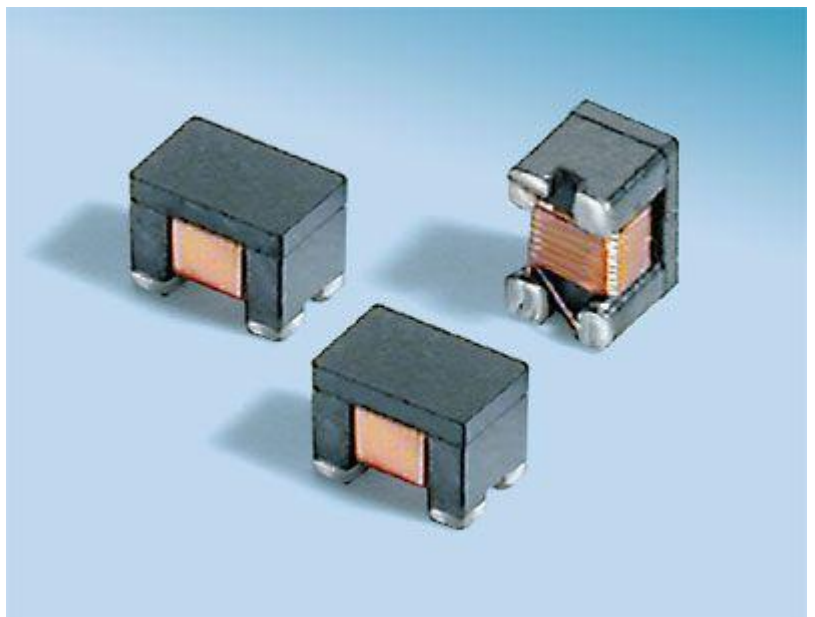


Wire Wound Chip Common Mode Choke Coil

JYCM-2 SERIES



FEATURES/APPLICATOINS

- Winding type realizes small size and low profile
- Prevention of common mode noise at high frequency
- $30\Omega\sim 2200\Omega$ are optional for different noise level and signal frequency
- Excellent solderability
- USB2.0 of PC, peripheral equipments, small digital AV equipments, etc.
- LVDS lines of Note PC, LCD
- Audio lines

PRODUCT INDICATION

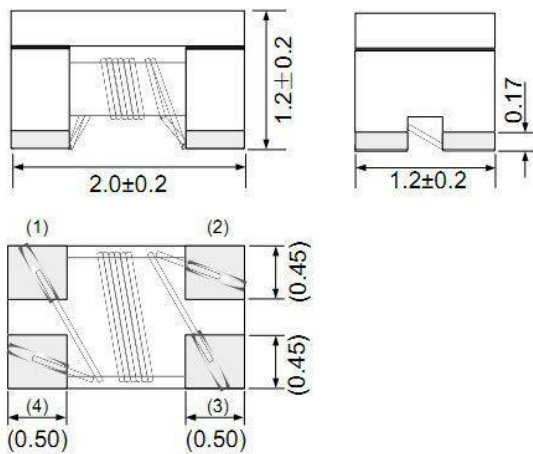
JYCM 2012 - 900 - 2

- ① ② ③ ④

- ① Product type: JYCM type
- ② External dimension: 20 for Length 1.0mm, 12 for Width 1.2mm
- ③ Nominal Value: 900 for 90 Ω
- ④ Number of Lines

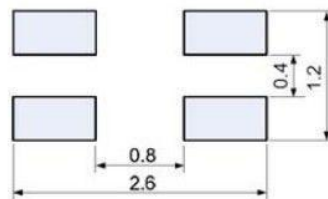
SHAPE AND DIMENSIONS

JYCM2012-2 Type

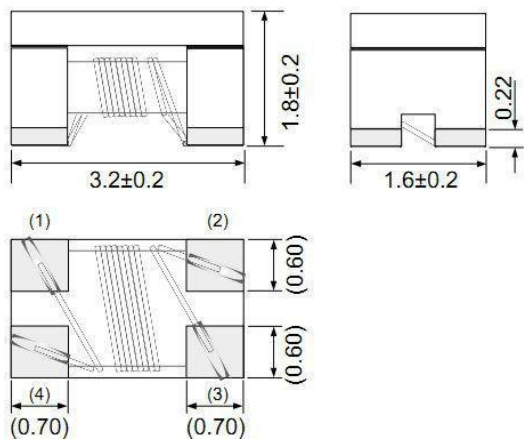


Recommended Land Pattern

Unit: mm

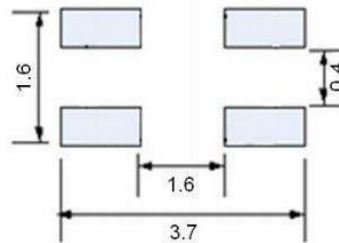


JYCM3216-2 Typw

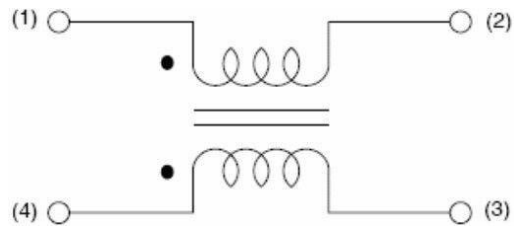


Recommended Land Pattern

Unit: mm



SHAPE AND DIMENSIONS



Electrical Characteristics JYCM2012-2 type

OPERATING TEMP. -40~+85°C

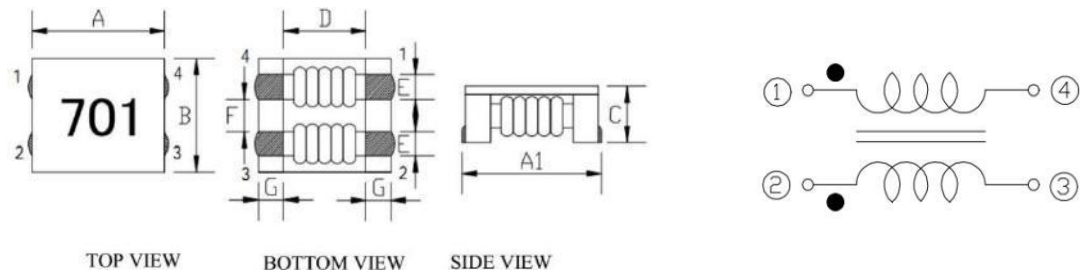
Part Number	Common Mode Impedance @100MHz (Ω)	Max. DC Resistanc e (Ω)	Max. Rated Current (mA)	Rated Voltage (Volts)	Min. Insulation Resistance (M Ω)
JYCM2012-300-2	30 \pm 25%	0.20	450	50	10
JYCM2012-670-2	67 \pm 25%	0.25	400	50	10
JYCM2012-900-2	90 \pm 25%	0.35	330	50	10
JYCM2012-121-2	120 \pm 25%	0.30	370	50	10
JYCM2012-181-2	180 \pm 25%	0.35	330	50	10
JYCM2012-201-2	200 \pm 25%	0.40	300	50	10
JYCM2012-221-2	220 \pm 25%	0.40	300	50	10
JYCM2012-261-2	260 \pm 25%	0.40	300	50	10
JYCM2012-361-2	360 \pm 25%	0.45	280	50	10
JYCM2012-371-2	370 \pm 25%	0.45	280	50	10
JYCM2012-601-2	600 \pm 25%	0.55	200	50	10
JYCM2012-751-2	750 \pm 25%	0.70	180	50	10
JYCM2012-901-2	900 \pm 25%	0.80	150	50	10
JYCM2012-102-2	1000 \pm 25%	0.80	150	50	10

Electrical Characteristics JYCM3216-2 type

OPERATING TEMP. -40~+85°C

Part Number	Common Mode Impedance @100MHz (Ω)	Max. DC Resistanc e (Ω)	Max. Rated Current (mA)	Rated Voltage (Volts)	Min. Insulation Resistance (M Ω)
JYCM3216-900-2	90 \pm 25%	0.30	370	50	20
JYCM3216-161-2	160 \pm 25%	0.40	340	50	10
JYCM3216-261-2	260 \pm 25%	0.50	310	50	10
JYCM3216-601-2	600 \pm 25%	0.80	260	50	10
JYCM3216-102-2	1000 \pm 25%	1.00	230	50	10
JYCM3216-222-2	2200 \pm 25%	1.20	200	50	10

一. 外观 DIMENSION (单位/UNIT: mm) / 电路 CIRCUIT DIAGRAM



A	A1	B	C	D	E	F	G
12.0 ±0.5	12.5 ±0.5	10.8 ±0.5	6.4Max	7.0Typ	2.7 ±0.2	2.5 ±0.2	2.5 ±0.2

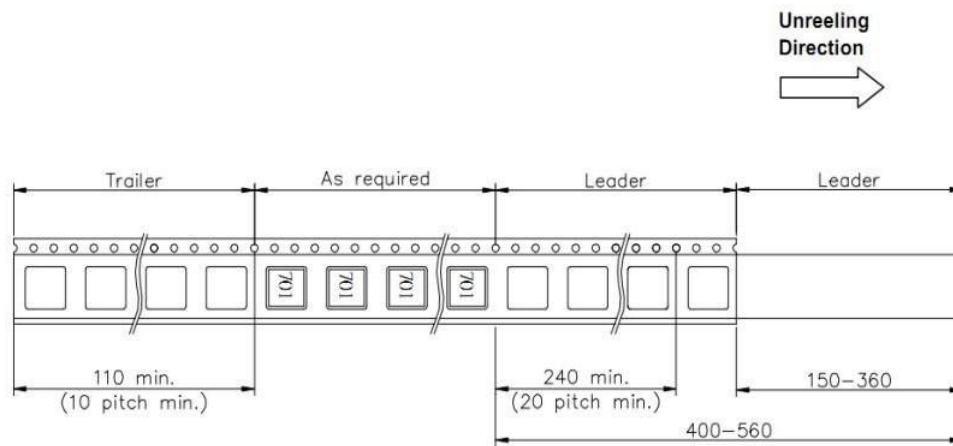
二. 电气特性/ELECTRICAL CHARACTERISTIC

P/N	Z(Ω)at 100MHZ		RDC(Ω)	Rated Current (A)	IR(MΩ)	Rated Voltage (V)
	MIN	TYP	MAX(1LINE)	MAX	MIN	MAX
JYCM1211-800-2	80	230	2.0m	10	10	125
JYCM1211-701-2	500	700	6.0m	8	10	125
JYCM1211-801-2	600	800	8.0m	8	10	125
JYCM1211-102-2	750	1000	14m	6	10	125
JYCM1211-222-2	2200	2500	35m	1.8	10	125
JYCM1211-272-2	2300	2700	50m	1.5	10	125

三.材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION	SUPPLIER
1	CORE	FERRITE	FYE OR EQ
2	WIRE	2UEW P180	PACIFIC OR EQ
3	INK	BLACK	BON OR EQ
4	COVER	MYLAR	AIMA OR EQ
5	SOLDER	SN CU	SHENMAO OR EQ

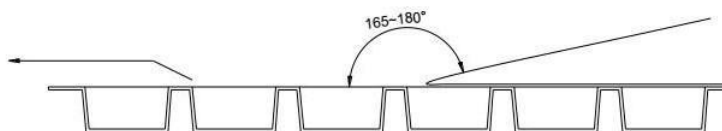
四.编带规格/TAPING SPECIFICATIONS



Transparent carrier and cover tape/透明载带和覆盖带

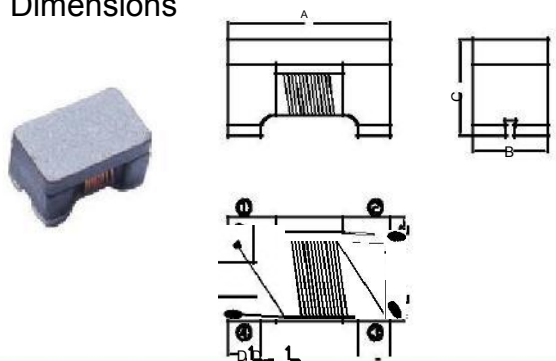
Adhesive strength of cover tape is 20 to 120 gf

The conduction band direction



Wire Wound Common Mode Chokes

■ **Dimensions**



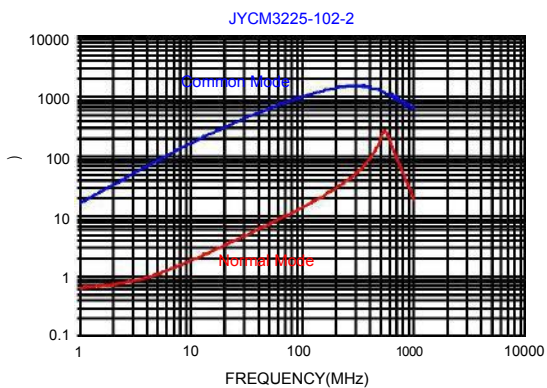
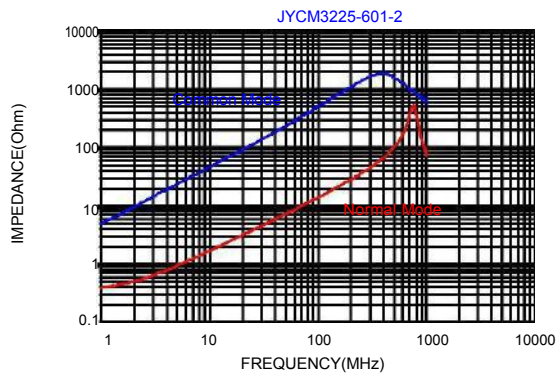
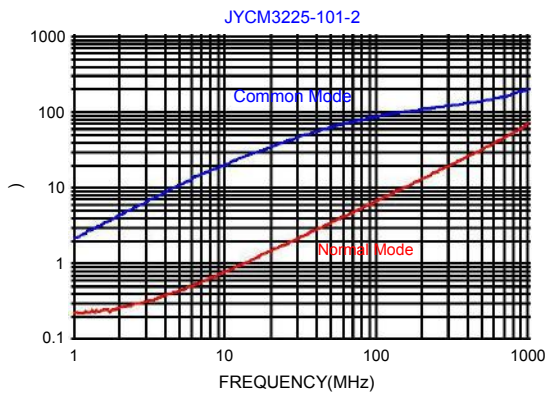
Chip Size	
A	3.20±0.20
B	2.50±0.20
C	2.20±0.20
D1	0.80±0.10
D2	0.90±0.10

Units: mm

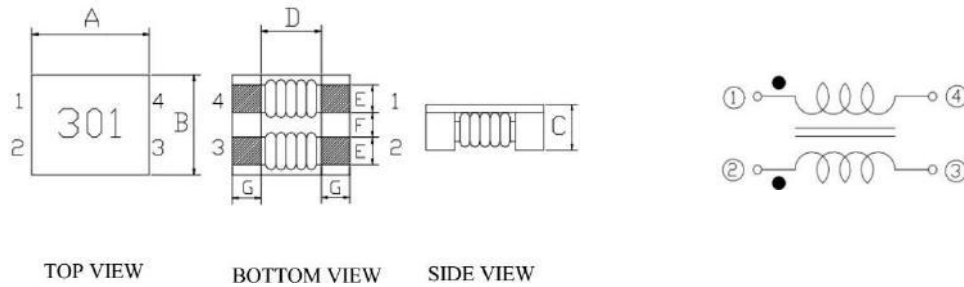
■ **Specifications**

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
JYCM3225-101-2	90±25%	100	0.050	1000	50	125	10M
JYCM3225-601-2	600±25%	100	0.20	1000	50	125	10M
JYCM3225-102-2	1000±25%	100	0.30	400	50	125	10M

■ **Impedance-Frequency Characteristics (Typical)**



一. 外观 DIMENSION (单位/UNIT: mm) / 电路 CIRCUIT DIAGRAM



A	B	C	D	E	F	G
7.0 ±0.5	6.0 ±0.5	3.8MAX	3.5typ	1.5 ±0.2	1.5 ±0.2	1.75 ±0.2

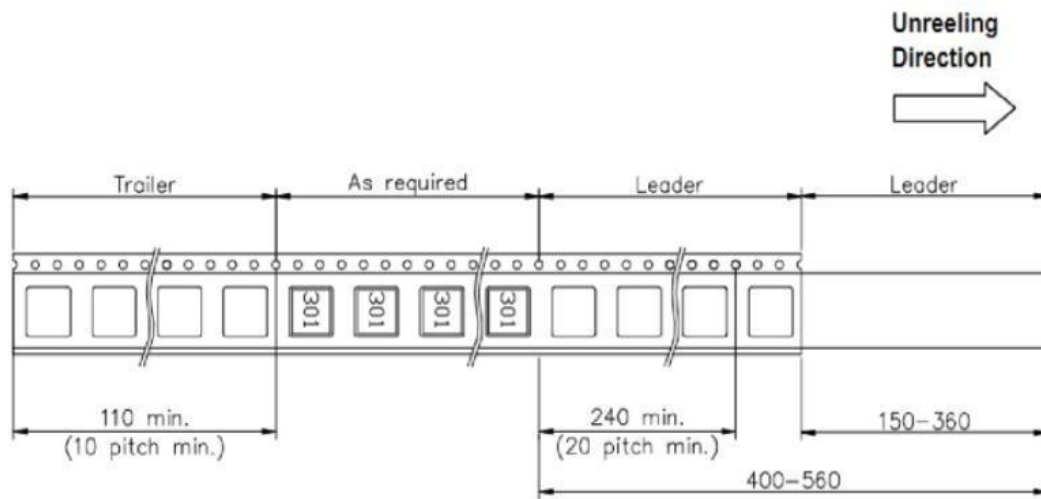
二. 电气特性/ELECTRICAL CHARACTERISTIC

P/N	Z(Ω)at 100MHZ		RDC(Ω)	Rated Current (A)	IR(MΩ)	Rated Voltage (V)
	MIN	TYP	MAX(1LINE)	MAX	MIN	MAX
JYCM7060-400-2	40	70	5m	15	10	125
JYCM7060-101-2	100	140	10m	9	10	125
JYCM7060-301-2	225	300	10m	5	10	125
JYCM7060-501-2	275	350	10m	5	10	125
JYCM7060-601-2	500	600	15m	4	10	125
JYCM7060-701-2	500	700	15m	4	10	125
JYCM7060-102-2	800	1020	17m	3	10	125
JYCM7060-132-2	910	1300	21m	2.5	10	125
JYCM7060-272-2	2000	2700	63m	1	10	125
JYCM7060-302-2	2500	3000	75m	0.9	10	125

三.材料清单/MATERIAL LIST

NO.	ITEM	DESCRIPTION	SUPPLIER
1	CORE	FERRITE	FYE OR EQ
2	WIRE	2UEW P180	PACIFIC OR EQ
3	INK	BLACK	BON OR EQ
4	COVER	MYLAR	AIMA OR EQ
5	SOLDER	SN CU	SHENMAO OR EQ

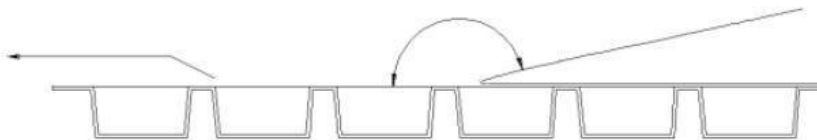
四.编带规格/TAPING SPECIFICATIONS



Transparent carrier and cover tape/透明载带和覆盖带

Adhesive strength of cover tape is 20 to 120 gf

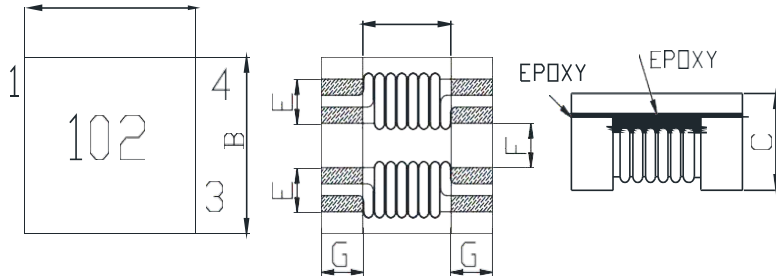
The conduction band direction



承□□/ SPECIFICATION FOR APPROVAL

客□名称 CUSTOMER		客□品名 CUSTOMER P/N		版□ REV.	A
□品□型 PRODUCT TYPE	□片共模□感	品 名 OURS P/N	JYCM9070-SERIES	文件□号 FILE NO.	

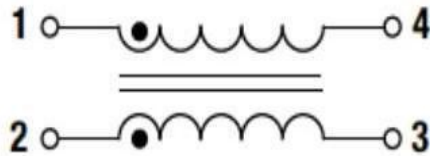
一. 外□□/ DIMENSION (□位/ UNIT : mm)



印字颜色: 白色(1.1#)

A	9.5±0.5
B	7.0±0.5
C	4.8Max
D	5.7Typ
E	1.5±0.2
F	2.0±0.2
G	1.7±0.2

二. □路□/ CIRCUIT DIAGRAM



三. □气特性/ ELECTRICAL CHARACTERISTIC

品名	Z (Ω) 100MHz/0.1V		RDC (mΩ) Max	Rated Current (A) Max	IR (MΩ) Min	Rated Voltage (V) Max	印字
	Min	Typ					
JYCM9070-301	225	300	6	6.0	10	50	301
JYCM9070-501	450	600	8	5.5	10	50	501
JYCM9070-701	500	700	10	5.0	10	50	701
JYCM9070-102	800	1000	13	4.0	10	50	102
JYCM9070-222	1700	2000	60	2.5	10	50	222
JYCM9070-272	2000	2700	86	2.0	10	50	272
JYCM9070-302	3000 +50% -30%	50	3.0	10	80	302

□ 制		□ 核		批 准	
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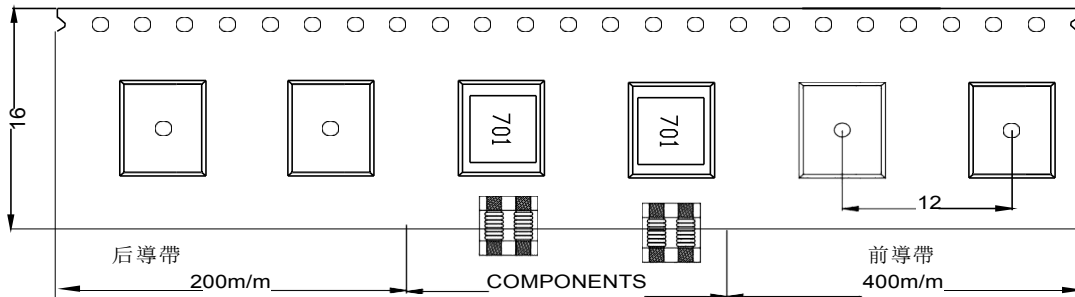
承□□/ SPECIFICATION FOR APPROVAL

客□名称 CUSTOMER		客□品名 CUSTOMER P/N		版□ REV.	A
产品类型 PRODUCT TYPE	□片共模□感	品名 OURS P/N	JYCM9070-SERIES	文件□号 FILE NO.	

四. 材料清□/ MATERIAL LIST

NO.	ITEM	DESCRIPTION	SUPPLIER
1	CORE	FERRITE	SINCORES OR EQ
2	WIRE	2UEW P180	ELEKTRISOLA OR EQ
3	BASE	LCP	LIANGCHENG OR EQ
4	SOLDER	Sn Cu	SHENMAO OR EQ
5	EPOXY	FK-661	PENGNO OR EQ
6	INK	白色	BON MARK

五. □□□格/ TAPING SPECIFICATIONS

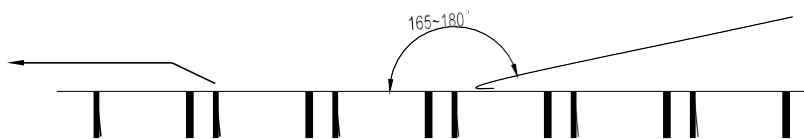


起始字需对准定位孔, 印字仅供参考

Transparent carrier and cover tape/透明□□和覆盖□

Adhesive strength of cover tape is 20 to 120 gf

The conduction band direction



□ 制		□ 核		批 准	
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承□□/ SPECIFICATION FOR APPROVAL

客□名称 CUSTOMER		客□品名 CUSTOMER P/N		版□ REV.	A
□品□型 PRODUCT TYPE	□片共模□感	品 名 OURS P/N	JYCM9070-SERIES	文件□号 FILE NO.	

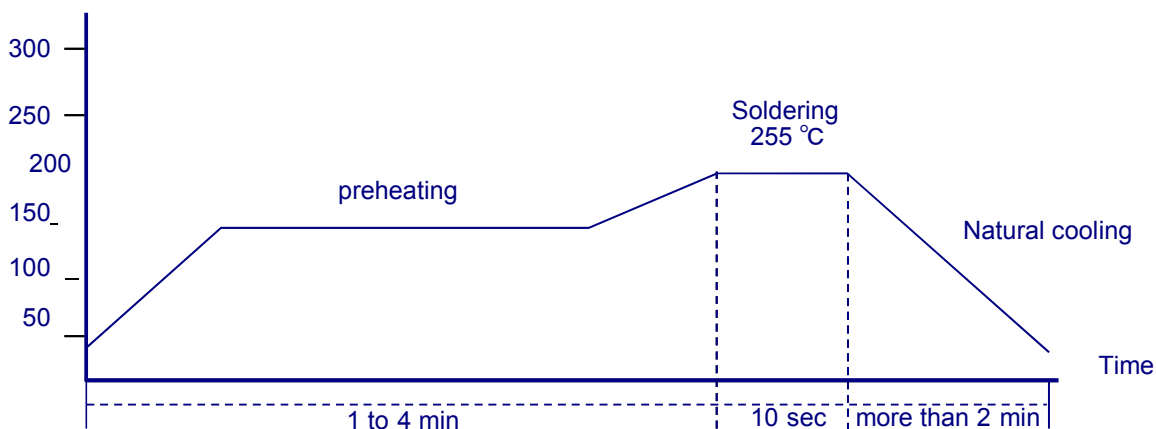
六. 可靠性□□/RELIABILITY TESTING

Operating Temperature	- 30 to + 100 °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 (- 30 ~ + 100 °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 °C



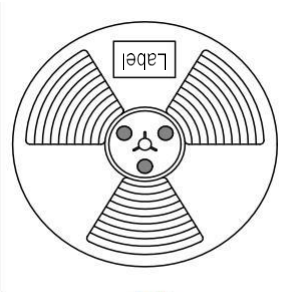
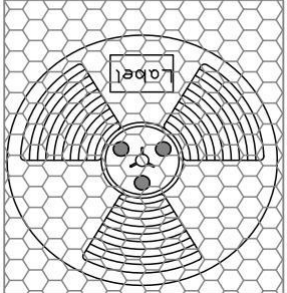
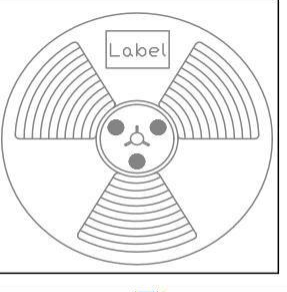
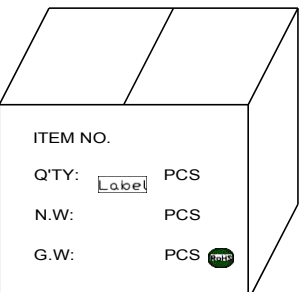
Temperature and humidity . After that , no mechanical and electrical defect should be found .

□ 制		□ 核		批 准	
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承□□/ SPECIFICATION FOR APPROVAL

客□名称 CUSTOMER		客□品名 CUSTOMER P/N		版□ REV.	A
产品类型 PRODUCT TYPE	□片共模□感	品 名 OURS P/N	JYCM9070-SERIES	文件□号 FILE NO.	

七. 包装方式/PACKING LIST

	<p>1、轮盘规格：24'(直径330mm) 数量：800PCS/盘 作业说明：A.摆料方向为字首朝导带孔. B.载带尾部用美纹胶纸固定.</p>	
	<p>2、数量：800PCS/袋. 作业说明:编带检查好的产品装进PE中.</p>	
	<p>3、数量：1600PCS/盒 作业说明：标签朝上装入内盒里面，将内盒盖扣好.</p>	
	<p>4、数量：4800PCS/箱. 作业说明：A.先将内、外箱底部封好，内箱装进外箱里面. B.将内盒装进内、外箱里面，并用透明胶带封好外箱顶部. C.在外箱位置贴一张外箱标签. D.当尾数箱不足一整箱时需用内盒或填充物装满.</p>	
<p>□ 制</p>	<p>□ 核</p>	<p>批 准</p>