SMD Type Power Inductor

TPRHC1207F-SERIES

	ECN HISTORY LIST						
REV	DATE	DESCRIPTION	APPROVED	CHECKED	DRAWN		
1.0	16/09/13	新發行	楊祥忠	詹偉特	何秦芝		
			<u> </u>	<u> </u>	<u> </u>		
備							
註							

SMD Type Power Inductor

TPRHC1207F-SERIES

1. Features

- 1. Magnetic Shielded surface mount inductor with high current rating.
- 2.Low resistance to keep power loss minimum.
- 3.100% Lead(Pb) & Halogen-Free and RoHS compliant.

2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
TPRHC1207F	12.8 max.	12.8 max.	8.5 max.	5.0 ref.	2.2 ref.	7.6 ref.

Units: mm

3. Part Numbering

TPRHC	1 207	F	-	220	Μ
А	В	С		D	Е

A: Series (the tin clip)

- B: Dimension
- C: Lead free type
- D: Inductance
- E: Inductance Tolerance
- 220=22.0uH, 2R4=2.4uH, 221=220uH M=±20%, Y=±30%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
TPRHC 1207F-1R2Y	1.2	± 30%	1V/100K	0.0070	9.80
TPRHC 1207F-2R2Y	2.2	±30%	1V/100K	0.0115	8.00
TPRHC 1207F-2R4Y	2.4	± 30%	1V/100K	0.0115	8.00
TPRHC 1207F-3R3Y	3.3	± 30%	1V/100K	0.0135	12.00
TPRHC 1207F-3R5Y	3.5	± 30%	1V/100K	0.0135	7.50
TPRHC 1207F-4R7Y	4.7	± 30%	1V/100K	0.0158	6.80
TPRHC 1207F-6R1Y	6.1	± 30%	1V/100K	0.0176	6.60
TPRHC 1207F-6R8Y	6.8	±30%	1V/100K	0.0185	6.20
TPRHC 1207F-7R6Y	7.6	± 30%	1V/100K	0.0200	5.90
TPRHC 1207F-100M	10	± 20%	1V/1K	0.0216	5.40
TPRHC 1207F-120M	12	± 20%	1V/1K	0.0243	4.90



TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
TPRHC 1207F-150M	15	± 20%	1V/1K	0.0270	4.50
TPRHC 1207F-180M	18	± 20%	1V/1K	0.0392	3.90
TPRHC 1207F-220M	22	± 20%	1V/1K	0.0432	3.60
TPRHC 1207F-270M	27	± 20%	1V/1K	0.0459	3.40
TPRHC 1207F-330M	33	± 20%	1V/1K	0.0648	3.00
TPRHC 1207F-390M	39	± 20%	1V/1K	0.0729	2.75
TPRHC 1207F-470M	47	± 20%	1V/1K	0.1000	2.50
TPRHC 1207F-560M	56	± 20%	1V/1K	0.1100	2.35
TPRHC 1207F-680M	68	± 20%	1V/1K	0.1400	2.10
TPRHC 1207F-820M	82	± 20%	1V/1K	0.1600	1.95
TPRHC 1207F-101M	100	± 20%	1V/1K	0.2200	1.70
TPRHC 1207F-121M	120	± 20%	1V/1K	0.2500	1.60
TPRHC 1207F-151M	150	± 20%	1V/1K	0.2800	1.42
TPRHC 1207F-181M	180	± 20%	1V/1K	0.3500	1.30
TPRHC 1207F-221M	220	± 20%	1V/1K	0.3900	1.16
TPRHC 1207F-271M	270	± 20%	1V/1K	0.5600	1.06
TPRHC 1207F-331M	330	± 20%	1V/1K	0.6400	0.95
TPRHC 1207F-391M	390	± 20%	1V/1K	0.7000	0.88
TPRHC 1207F-471M	470	± 20%	1V/1K	0.9800	0.79
TPRHC 1207F-561M	560	± 20%	1V/1K	1.0700	0.73
TPRHC 1207F-681M	680	± 20%	1V/1K	1.4600	0.67
TPRHC 1207F-821M	820	± 20%	1V/1K	1.6400	0.60
TPRHC 1207F-102M	1000	± 20%	1V/1K	1.8200	0.55

Note:

TAI-TECH

5. Material List



No.	ltem	Materials
1	Core	Ferrite Core (DR Type)
2	Core	Ferrite Core (RI Type)
3	Glue	Ероху
4	Wire	Copper Wire
5	Clip	The Tin Clip

6. Schematic Diagram



7. Reliability and Test Condition

Item	Performance	Test Condition
Operating temperature	-40~+125℃ (Including self - temperature rise)	
Storage temperature	-40~+125℃ (on board)	
Electrical Performance Te	est	I
		HP4284A,CH11025,CH3302,CH1320,CH1320S
Inductance	Refer to standard electrical characteristics list.	LCR Meter.
DCR	-	CH16502, Agilent33420A Micro-Ohm Meter.
		Saturation DC Current (Isat) will cause L0
Saturation Current (Isat)	_L≦35%.	to drop
		Heat Rated Current (Irms) will cause the coil temperature rise
		$ riangle T(^{\circ}C)$ without core loss.
Heat Rated Current (Irms)	Approximately △T40°C	1.Applied the allowed DC current
		2. Temperature measured by digital surface thermometer
Reliability Test		
		Preconditioning: Run through IR reflow for 2 times.(IPC/JEDEC J-STD-020DClassification Reflow Profiles)
Life Test		Temperature : 125±2℃ (Inductor)
Life Test		Applied current : rated current
		Duration : 1000±12hrs
		Measured at room temperature after placing for 24±2 hrs
	-	Preconditioning: Run through IR reflow for 2 times.(IPC/JEDEC J-STD-020DClassification Reflow Profiles
Load Humidity		Humidity : 85±2%R.H,
		Temperature : 85℃±2℃
		Duration: 1000hrs Min. with 100% rated current
	Appearance : No damage.	Measured at room temperature after placing for 24±2 hrs
	Inductance : within±10% of initial value Q : Shall not exceed the specification value.	Preconditioning: Run through IR reflow for 2 times.(IPC/JEDEC J-STD-020DClassification Reflow
	RDC : within ±15% of initial value and shall not	Profiles
	exceed the specification value	 Baked at50[°]C for 25hrs, measured at room temperature after placing for 4 hrs.
		2. Raise temperature to $65\pm2^{\circ}$ 90-100%RH in 2.5hrs, and
Moisture Resistance		keep 3 hours, cool down to 25° in 2.5hrs.
		3. Raise temperature to $65{\pm}2^{\circ}\!\!\mathbb{C}$ 90-100%RH in 2.5hrs, and
		keep 3 hours, cool down to 25° in
		2.5hrs,keep at 25° C for 2 hrs then keep at -10° C for 3 hrs 4. Keep at 25° C 80-100%RH for 15min and vibrate at the
		frequency of 10 to 55 Hz to 10 Hz, measure at
		room temperature after placing for 1~2 hrs.

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Item	Performance	Test Condition				
Thermal shock Vibration	Appearance : No damage.	Preconditioning: Run through IR reflow for times. (IPC/JEDEC J-STD-020DClassification Reflow Profiles Condition for 1 cycle Step1 : -40±2°C 30±5min Step2 : 25±2°C ≤0.5min Step3 : 125±2°C 30±5min Number of cycles : 500 Measured at room temperature after placing for 24±2 hrs Oscillation Frequency: 10 ~ 2K ~ 10Hz for 20 minutes Equipment : Vibration checker Total Amplitude: 1.52mm±10% Testing Time : 12 hours(20 minutes, 12 cycles each of 3 Step3 = 100000000000000000000000000000000000				
Shock	Inductance : within±10% of initial value Q : Shall not exceed the specification value. RDC : within ±15% of initial value and shall not exceed the specification value	orientations)。 Type Peak Normal duration (D) Wave change (y's) (ms) (Vi)ft/sec				
		SMD 50 11 Half-sine 11.3 Lead 50 11 Half-sine 11.3				
Bending		Lead 50 11 Half-sine 11.3 Shall be mounted on a FR4 substrate of the following dimensions: >=0805:40x100x1.2mm <0805:40x100x0.8mm				
Solderability	More than 95% of the terminal electrode should be covered with solder。	Preheat: 150°C,60sec.。 Solder: Sn96.5% Ag3% Cu0.5% Temperature: 245±5°C。 Flux for lead free: Rosin. 9.5%。 Dip time: 4±1sec。 Depth: completely cover the termination				
		Number of heat cycles: 1				
Resistance to Soldering Heat		Temperature (°C) Time(s) Temperature ramp/immersion and emersion rate				
		260 ±5(solder temp) 10 ±1 25mm/s ±6 mm/s				
Terminal Strength	Appearance : No damage. Inductance : within±10% of initial value Q : Shall not exceed the specification value. RDC : within ±15% of initial value and shall not exceed the specification value	Preconditioning: Run through IR reflow for 2 times.(IPC/JEDEC J-STD-020DClassification Reflow Profiles With the component mounted on a PCB with the device to be tested, apply a force (-0805:1kg, <=0805:0.5kg)to the side of a device being tested. This force shall be applied for 60 +1 seconds. Also the force shall be applied gradually as not to apply a shock to the component being tested.				

8. Recommended PC Board Pattern



L(mm)	G(mm)	H(mm)
12.6	7.0	5.4

9. Soldering



10. Packaging Information



Style	A(mm)	C(mm)	G(mm)	N(mm)
13"X24mm	330	24.5±0.5	13.5±0.5	100±1



Style	W(mm)	P(mm)	P2(mm)	D(mm)	Po(mm)	Packaging Qty(pcs)
24mm	24±0.3	16±0.1	2±0.1	1.5±0.25	4±0.1	400

Application Notice

Storage Conditions (component level)

To maintain the solderability of terminal electrodes:

1. TAI-TECH products meet IPC/JEDEC J-STD-020D standard-MSL, level 1.

2. Temperature and humidity conditions: Less than 40 $^\circ\!C$ $\,$ and 60% RH.

3. Recommended products should be used within 12 months form the time of delivery.

4. The packaging material should be kept where no chlorine or sulfur exists in the air.

Transportation

1. Products should be handled with care to avoid damage or contamination from perspiration and skin oils.

- 2. The use of tweezers or vacuum pick up is strongly recommended for individual components.
- 3. Bulk handling should ensure that abrasion and mechanical shock are minimized.



测試報告 號碼(No.): CE/2016/25436 日期(Date): 2016/03/07 頁數(Page): 1 of 11 **Test Report**

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD. (臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO, LTD.) (耀鑽科技股份有限公司 / YOSONIC TECHNOLOGY CO., LTD.) (慶邦電子元器件 (泗洪) 有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.) 桃園市楊梅區幼獅工業區幼四路1號 / NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. O. C.) (江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (桃園市中壢區中壢工業區長春六路15號 / NO. 15, CHANGCHUN 6TH RD., JHONGLI DIST, TAOYUAN CITY 320, TAIWAN) (江蘇省宿遷市泗洪縣經濟開發區金沙南路-高新技術產業園 / HIGH-TECH INDUSTRIAL DISTRICT, JINSHAJIANG ROAD, SIHONG COUNTY ECONOMIC, SUQIAN CITY, JIANGSU)

以下測試樣品係由申請廠商所提供及確認 (The following sample(s) was/were submitted and identified by/on behalf of the applicant as):

樣品名稱(Sample Description)	:	BASE TYPE CHOKE COIL/ INDUCTOR
樣品型號(Style/Item No.)	:	TPRH • TPS • TPH • TPL • TPRHC SERIES
收件日期(Sample Receiving Date)	:	2016/02/26
測試期間(Testing Period)	:	2016/02/26 TO 2016/03/07

:

測試結果(Test Results)

請見下一頁 (Please refer to next pages).



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測試報告 Test Report

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD.
(臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO. LTD.)
(耀鑽科技股份有限公司 / YOSONIC TECHNOLOGY CO., LTD.)
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桃園市楊梅區幼獅工業區幼四路1號 / NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI,
TAO-YUAN CITY, TAIWAN, R. O. C.)
(江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA)
(述蘇省富遷市泗洪縣經濟開發區金沙南路-高新技術產業園 / HIGH-TECH INDUSTRIAL DISTRICT, JINSHAJIANG ROAD,
SIHONG COUNTY ECONOMIC, SUQIAN CITY, JIANGSU)

日期(Date): 2016/03/07

號碼(No.): CE/2016/25436

<u> 测试结果(Test Results)</u>

測試部位(PART NAME)No.1 : 整體混測 (MIXED ALL PARTS)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限値 (MDL)	結果(Result) No.1
鎘 / Cadmium (Cd)	mg/kg	参考IEC 62321-5: 2013方法,以感應 耦合電漿原子發射光譜儀檢測. / With reference to IEC 62321-5: 2013 and performed by ICP-AES.	. 2	n. d.
鉛 / Lead (Pb)	mg/kg	参考IEC 62321-5: 2013方法, 以感應 耦合電漿原子發射光譜儀檢測. / With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	n. d.
汞 / Mercury (Hg)	mg/kg	参考IEC 62321-4: 2013方法, 以感應 耦合電漿原子發射光譜儀檢測. / With reference to IEC 62321-4: 2013 and performed by ICP-AES.	2	n. d.
六價鉻 / Hexavalent Chromium Cr(VI)	mg/kg	参考IEC 62321: 2008方法, 以UV-VIS 檢測. / With reference to IEC 62321: 2008 and performed by UV- VIS.	2	n. d.
六溴環十二烷及所有主要被辨別出的異構物 / Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α - HBCDD, β - HBCDD, γ - HBCDD) (CAS No.: 25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8))	mg/kg	參考IEC 62321: 2008方法, 以氣相層 析/質譜儀檢測. / With reference to IEC 62321: 2008 method. Analysis was performed by GC/MS.	5	n. d.

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日期(Date): 2016/03/07

SIHONG COUNTY ECONOMIC, SUQIAN CITY, JIANGSU)

测試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果(Result) No.1
鄰苯二甲酸丁苯甲酯 / BBP(Butyl Benzyl phthalate)(CAS No.: 85-68-7)	mg/kg		50	n, d,
鄰苯二甲酸二丁酯 / DBP (Dibuty1 phthalate) (CAS No.: 84-74-2)	mg/kg		50	n. d.
鄰苯二甲酸二 (2-乙基己基)酯 / DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	mg/kg	參考IEC 62321-8 (111/321/CD),以氣 相層析儀/質譜儀檢測之. / With reference to IEC 62321-8 (111/321/CD). Analysis was performed by GC/MS.	50	n. d.
鄰苯二甲酸二異丁酯 / DIBP (Di- isobutyl phthalate) (CAS No.: 84-69- 5)	mg/kg		50	n. d.
鄰苯二甲酸二異癸酯 / DIDP (Di- isodecyl phthalate) (CAS No.: 26761- 40-0; 68515-49-1)	mg/kg		50	n. d.
鄰苯二甲酸二異壬酯 / DINP (Di- isononyl phthalate) (CAS No.: 28553- 12-0; 68515-48-0)	mg/kg		50	n. d.
鄰苯二甲酸二正辛酯 / DNOP(Di-n- octyl phthalate)(CAS No.: 117-84-0)	mg/kg		50	n. d.
鹵素 / Halogen				
鹵素 (氟) / Halogen-Fluorine (F) (CAS No.: 14762-94-8)	mg/kg		50	n. d.
鹵素 (氯) / Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg	参考BS EN 14582:2007,以離子層析儀 分析./ With reference to BS EN	50	n. d.
鹵素 (溴) / Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg	14582:2007. Analysis was performed by IC.	50	n. d.
鹵素 (碘) / Halogen-Iodine (I) (CAS No.: 14362-44-8)	mg/kg		50	n. d.

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日期(Date); 2016/03/07

(江蘇省宿邊市泗洪縣經濟開發區金沙南路-高新技術產業園 / HIGH-TECH INDUSTRIAL DISTRICT, JINSHAJIANG ROAD,

SIHONG COUNTY ECONOMIC, SUQIAN CITY, JIANGSU)

测试項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限値 (MDL)	結果(Result) No.1
多溴聯苯總和 / Sum of PBBs	mg/kg		-	n. d.
一溴聯苯 / Monobromobiphenyl	mg/kg		5	n. d,
二溴聯苯 / Dibromobiphenyl	mg/kg		5	n. d.
三溴聯苯 / Tribromobiphenyl	mg/kg		5	n. d.
四溴聯苯 / Tetrabromobiphenyl	ng/kg		5	n. d.
五溴聯苯 / Pentabromobiphenyl	mg/kg		5	n. d.
六溴聯苯 / Hexabromobiphenyl	mg/kg		5	n. d.
七溴聯苯 / Heptabromobiphenyl	mg/kg		5	n. d.
八溴聯苯 / Octabromobiphenyl	mg/kg		5	'n. d.
九溴聯苯 / Nonabromobiphenyl	mg/kg	参考IEC 62321-6: 2015方法, 以氣相	5	n. d.
十溴聯苯 / Decabromobiphenyl	mg/kg	層析/質譜儀檢測. / With reference	5	n. d.
多溴聯苯醚總和 / Sum of PBDEs	mg/kg	to IEC 62321-6: 2015 and performed	-	n. d.
一溴聯苯醚 / Monobromodiphenyl ether	mg/kg	by GC/MS.	5	n.d.
二溴聯苯醚 / Dibromodiphenyl ether	ng/kg		5	n. d
三溴聯苯醚 / Tribromodiphenyl ether	mg/kg		5	n. d.
四溴聯苯醚 / Tetrabromodiphenyl ether	mg/kg		5	n. d.
五溴聯苯醚 / Pentabromodiphenyl ether	mg/kg		5	n. d.
六溴聯苯醚 / Hexabromodiphenyl ether	mg/kg] [5	n. d.
七溴聯苯醚 / Heptabromodiphenyl ether	mg/kg]	5	n. d.
八溴聯苯醚 / Octabromodiphenyl ether	mg/kg] [5	n. d.
九溴聯苯醚 / Nonabromodiphenyl ether	mg/kg] [5	n. d.
十溴聯苯醚 / Decabromodiphenyl ether	mg/kg		5	n. d.

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測試報告 Test Report

號碼(No.): CE/2016/25436

日期(Date): 2016/03/07

頁數(Page): 5 of 11

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD. (臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO. LTD.) (耀鑽科技股份有限公司 / YOSONIC TECHNOLOGY CO., LTD.) (慶邦電子元器件 (泗洪) 有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.) 桃園市楊梅區幼獅工業區幼四路1號 / NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. O. C.) (江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (桃園市中壢區中壢工業區長春六路15號 / NO. 15, CHANGCHUN 6TH RD., JHONGLI DIST, TAOYUAN CITY 320, TAIWAN) (江蘇省宿邊市泗洪縣經濟開發區金沙南路-高新技術產業園 / HIGH-TECH INDUSTRIAL DISTRICT, JINSHAJIANG ROAD, SIHONG COUNTY ECONOMIC, SUQIAN CITY, JIANGSU)

備註(Note):

- 1. mg/kg = ppm; 0.1wt% = 1000ppm
- 2. n.d. = Not Detected (未檢出)
- 3. MDL = Method Detection Limit (方法偵測極限值)
- 4. "-" = Not Regulated (無規格值)
- 5. 樣品的測試是基於申請人要求混合測試,報告中的混合測試結果不代表其中個別單一材質的含量. (The samples was/were analyzed on behalf of the applicant as mixing sample in one testing. The above results was/were only given as the informality value.)

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日期(Date): 2016/03/07

頁數(Page): 6 of 11

SIHONG COUNTY ECONOMIC, SUQIAN CITY, JIANGSU)

根據以下的流程圖之條件,樣品已完全溶解。(六價絡测試方法除外) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr^{e+} test method excluded)

- 测试人員:楊登偉 / Technician:Climbgreat Yang
- 测试负责 / 初型條 / Toamioan, Omnogreat ra ■ 测试負責人:張啟興 / Supervisor: Troy Chang



Note** (For IEC 62321)

(1) 針對非金局材料加入鹼性消化液 ⋅ 加熱至 90~95℃ 萃取, / For non-metallic material, add alkaline digestion reagent and heat to 90~95℃.

(2) 針對金屬材料加入純水,加熱至沸腾萃取. / For metallic material, add pure water and heat to boiling.

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测試報告 **Test Report**

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SIHONG COUNTY ECONOMIC, SUQIAN CITY, JIANGSU)

鹵素分析流程圖 / Analytical flow chart of halogen content

日期(Date): 2016/03/07

測試人員:陳恩臻 / Name of the person who made measurement: Rita Chen

測試負責人:張啟興 / Name of the person in charge of measurement: Troy Chang



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號碼(No.): CE/2016/25436

測試報告 Test Report 號碼(No.): CE/2016/25436

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD. (臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO. LTD.) (糧鑽科技股份有限公司 / YOSONIC TECHNOLOGY CO., LTD.) (慶邦電子元器件 (泗洪) 有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.) (慶邦電子元器件 (泗洪) 有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.) 桃園市楊梅區幼獅工業區幼四路1號 / NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. 0. C.) (江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (桃園市中壢區中壢工業區長春六路15號 / NO. 15, CHANGCHUN 6TH RD., JHONGLI DIST, TAOYUAN CITY 320, TAIWAN) (江蘇省宿邊市泗洪縣經濟開發區金沙南路-高新技術產業園 / HIGH-TECH INDUSTRIAL DISTRICT, JINSHAJIANG ROAD,

SIHONG COUNTY ECONOMIC, SUQIAN CITY, JIANGSU)

可塑劑分析流程圖 / Analytical flow chart of phthalate content

日期(Date): 2016/03/07

■ 測試人員: 徐毓明 / Name of the person who made measurement: Andy Shu

■ 测試負責人:張啟興 / Name of the person in charge of measurement: Troy Chang



【测試方法/Test method: IEC 62321-8】

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測試報告 號碼(No.): CE/2016/25436 **Test Report**

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六溴環十二烷分析流程圖 / HBCDD analytical flow chart

日期(Date): 2016/03/07

测試人員: 翁賜彬 / Name of the person who made measurement: Roman Wong 測試負責人:張啟興 / Name of the person in charge of measurement: Troy Chang



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多溴聯苯/多溴聯苯醚分析流程圖 / PBB/PBDE analytical FLOW CHART

日期(Date): 2016/03/07

■ 測試人員:翁賜彬 / Name of the person who made measurement: Roman Wong

■ 测試負責人: 張啟興 / Name of the person in charge of measurement: Troy Chang

初次測試程序 / First testing process ———→

選擇性篩檢程序 / Optional screen process = = =

確認程序 / Confirmation process - - - - →



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SIHONG COUNTY ECONOMIC, SUQIAN CITY, JIANGSU)

* 照片中如有箭頭標示,則表示為實際檢測之樣品/部位. * (The tested sample / part is marked by an arrow if it's shown on the photo.)

日期(Date): 2016/03/07

CE/2016/25436



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