

MESSRS.

SPECIFICATION FOR APPROVAL

承 認 書

Product	MAGNETIC BUZZER
Part No.	AC-1204B-PLF (RoHS)
Customer Approval	

Approved By	Checked By	Made By
工程 部 王台平 MAR-08-2005	工程 部 劉民祥 MAR-08-2005	工程 部 許俊程 MAR-08-2005



ADVANCED ACOUSTIC TECHNOLOGY CORP.

苙 翔 科 技 股 份 有 限 公 司



ISO 9001 Certified

2F, No.207, Sec. 6, Chung Shan N. Rd., Taipei

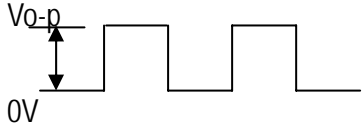
Tel: +886-2-88665255

Fax: +886-2-88665250

e : <http://www.aatc.com.tw>

1. Specifications

AC-1204B-PLF

Items		Units	Specifications	Conditions
01	Rated Voltage	Vo-p	3.5	
02	Operating Voltage	Vo-p	2.6 ~6.0	
03	Consumption Current	mA (Max)	Mean 35	Applying rated voltage, rated frequency Square wave, 1/2 duty subject to standard state.
			Peak 105	
04	Direct Current Resistance	Ohm	42±6.3	
05	Sound Output	dB(A) (min)	85	Distance at 10cm, applying rated voltage, rated frequency square wave, 1/2 duty subject to standard state.
06	Rated Frequency	Hz	2048	
07	Operating Temp.	°C	-40 ~ +85	
08	Storage Temp.	°C	-50 ~ +95	
09	Weight	Gram	2	

2. Measuring Method

2-1. Test Condition

STANDARD

Temperature : 15 ~ 35°C

Relative humidity : 25% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

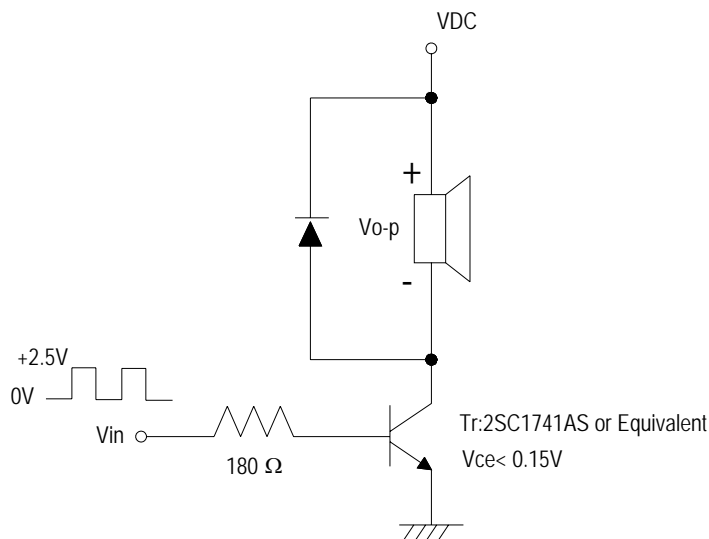
JUDGEMENT

Temperature : 20±3°C

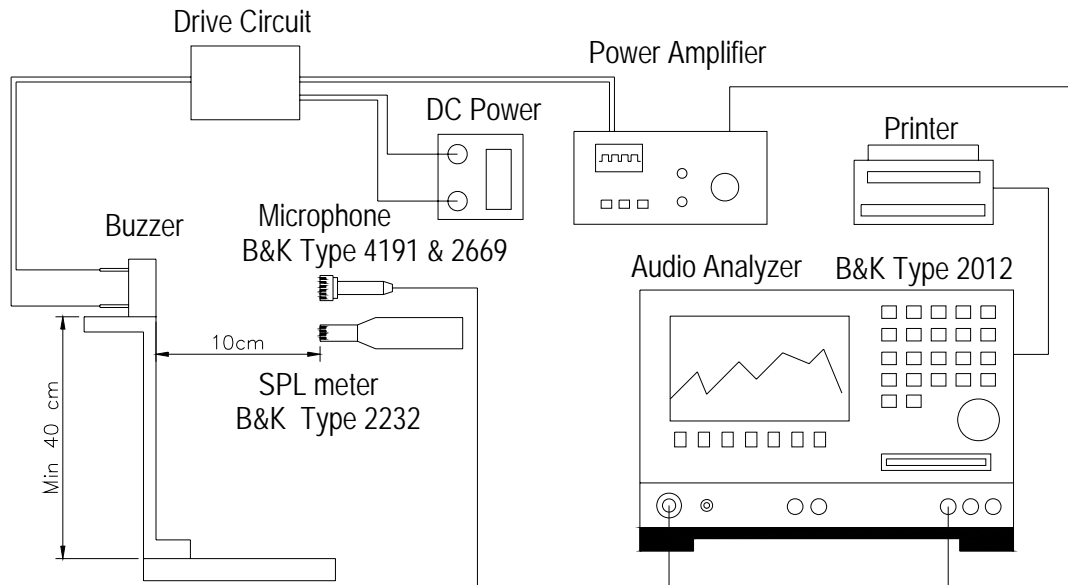
Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

2-2. Standard Drive Circuit:

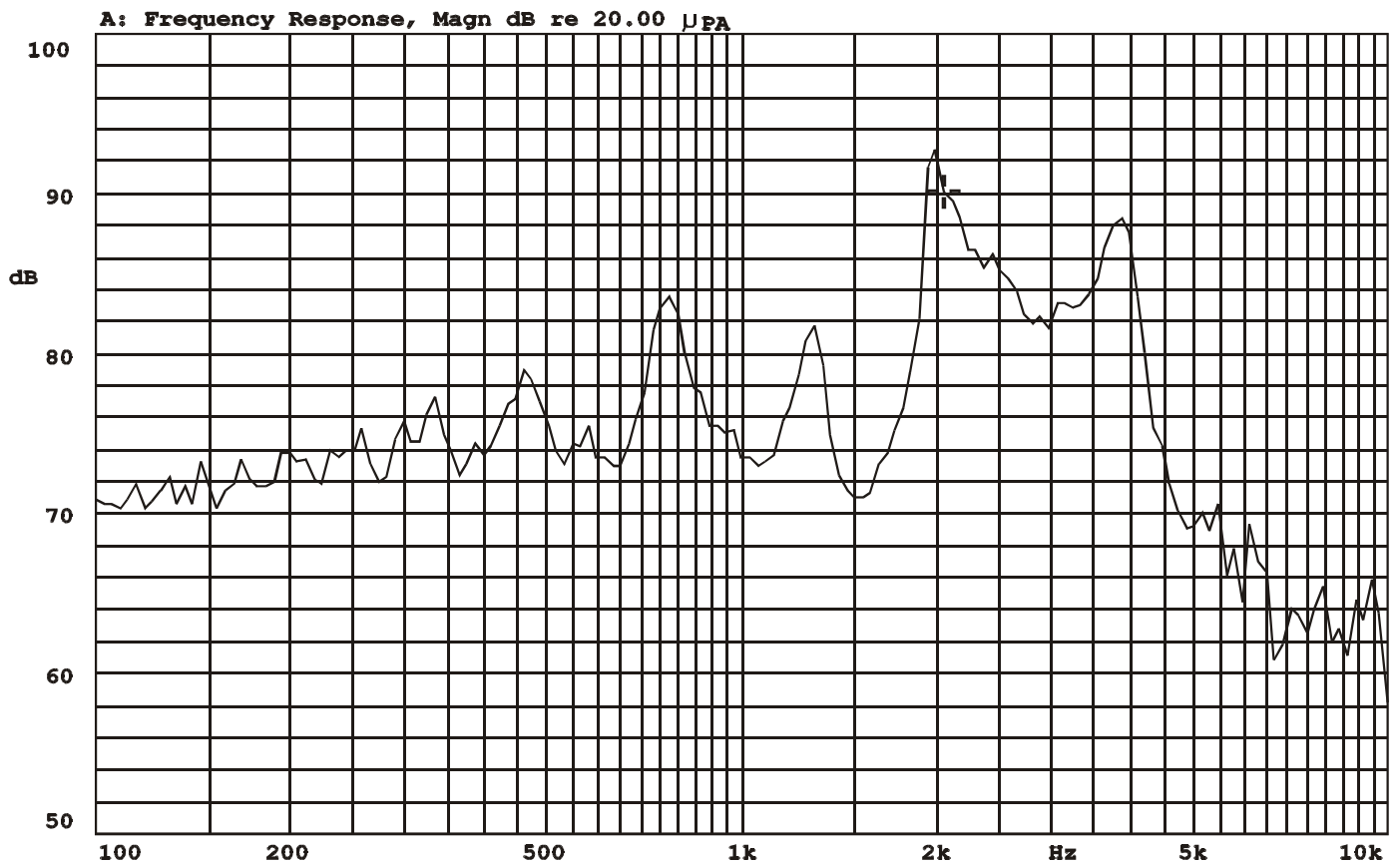


2-3. Standard Test Fixture



2-4. Frequency Response Curve

X:2.0535kHz Y:90.12dB ZA:Live Curve SSR T. RMS



Mode: SSR

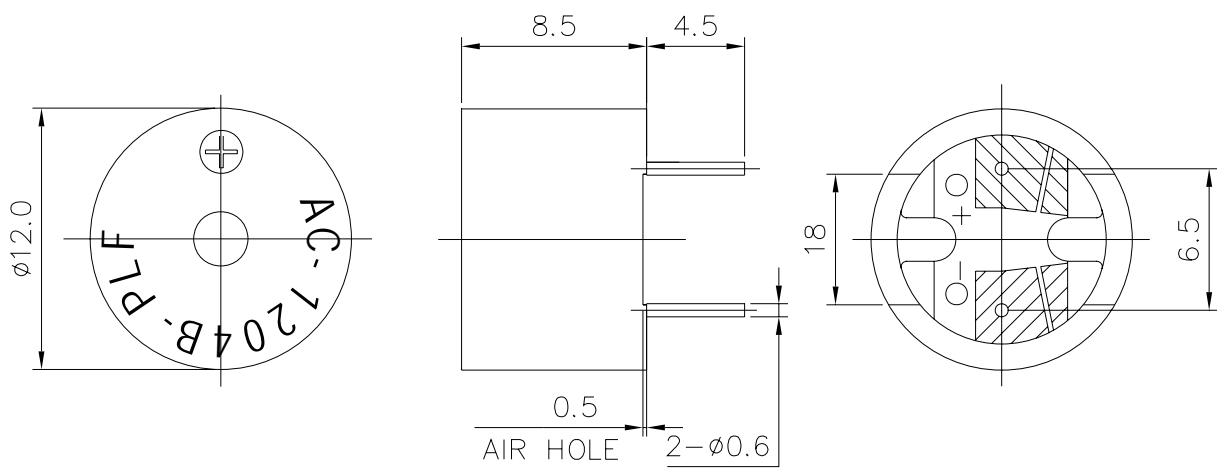


REV NO.

REVISION NOTE

APPROVAL

DATE



TITLE: SOUND TRANSDUCER DIMENSIONS		DRAWN: <i>Kitty</i> 2006/08/28	SCALE: 3:1	SHEET: 1 OF 1
PART NO. AC-1204B-PLF		DESIGNED: R&D OF AAT	UNITS: mm	TOLERANCE ± 0.5
DWG NO. DTE-1190		1 REV	UNLESS OTHERWISE SPECIFIED:	
			ONE PLACE DECIMAL \pm *** TWO PLACE DECIMAL \pm *** THREE PLACE DECIMAL \pm ***	
		APPROVAL:	MATERIAL: PPO	



ADVANCED ACOUSTIC TECHNOLOGY CORPORATION

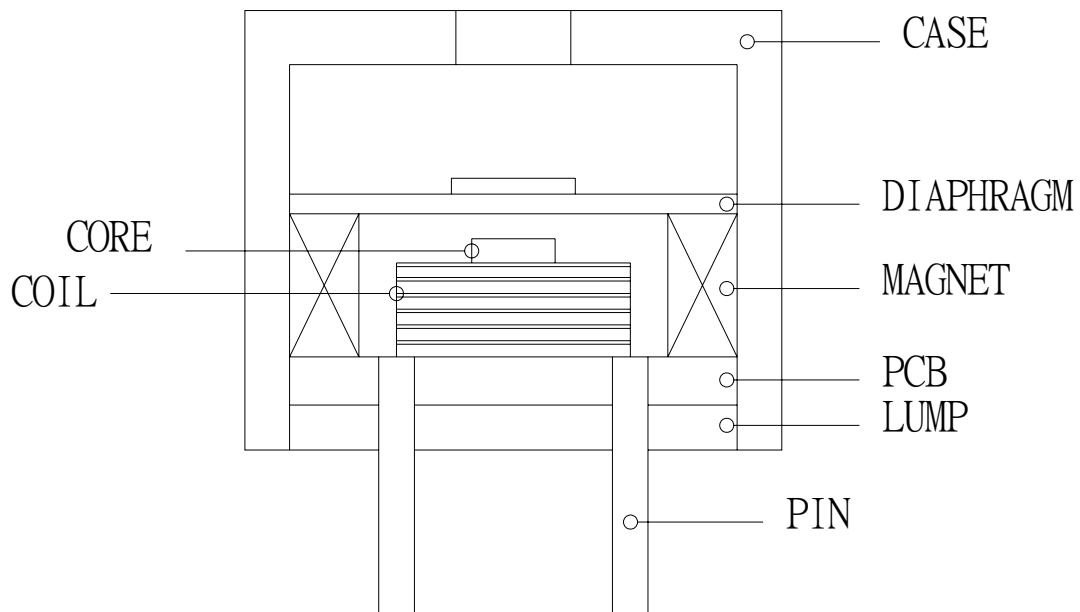
4. RELIABILITY TEST

Item	Test conditions	Evaluation standard						
01 High temp.Storage life	The part shall be capable of withstanding a storage Temperature of 95°C for 96 hours.	After the test the part shall meet specifications without Any degradation in appearance and performance except S.P.L S.P.L shall be 74dB or more.						
02 Low temp.Storage life	The part shall be capable of withstanding a storage Temperature of -50°C for 96 hours.							
03 Temp. cycle	The part shall be subjected 10 cycles. One cycle shall consist of; <div style="text-align: center; border: 1px solid black; width: fit-content; margin: 10px auto;"> <table style="border-collapse: collapse;"> <tr> <td style="padding: 5px;">-40°C</td> <td style="padding: 5px;">85°C</td> </tr> <tr> <td style="padding: 5px;">30min</td> <td style="padding: 5px;">30min</td> </tr> <tr> <td colspan="2" style="padding: 5px; text-align: center;">60min</td> </tr> </table> </div>		-40°C	85°C	30min	30min	60min	
-40°C	85°C							
30min	30min							
60min								
04 Temp./Humidity cycle	The part shall be subjected 10 cycles. One cycle shall be 12 hours and consist of; <div style="text-align: center; margin: 10px auto;"> </div>							
05 Operating life	Rated Voltage,Frequency applied. 1. Ordinary temperature The part shall be subjected to 1000 hours at room temperature (25 ±10°C) 1. High temperature The part shall be subjected to 500 hours at 85°C 2. Low temperature The part shall be subjected to 500 hours at -40°C							
06 Lead Strength	Pull load on the direction of the lead axis for 10 ±1 sec.							
07 Vibration	The part shall be subjected to a vibration cycle of 10Hz to 55Hz to 10Hz in a period of 1 minute. Total peak amplitude shall be 1.52mm (9.3G). The vibration test shall consist of 2 hours per plane in each three mutually perpendicular planes for a total time of 6 hours.							

Item		Test conditions	Evaluation standard
08	Fixed drop	The part shall be mounted on standard pc board and dropped from a height of 152cm onto a concrete floor 5 times in each 6 planes.(a total of 30 times)	<p>After the test the part shall meet specifications without Any degradation in appearance and performance except S.P.L</p> <p>S.P.L shall be 74dB or more.</p>
09	Free drop	The part only shall be dropped from a height of 75cm onto a 40mm thick wooden board 3 times in 3 axes (X.Y.Z). (a total of 9 times).	
10	Solder heat resistance	Soldering into solderbath : $350\pm 5^{\circ}\text{C}$ Soaking time : 3.5 ± 0.5 sec	
11	Solder ability	Soldering : $250\pm 5^{\circ}\text{C}$ / 5 Sec. $350\pm 5^{\circ}\text{C}$ / 1.5 Sec Soldering t into solderbath : $250\pm 5^{\circ}\text{C}$ Soaking time : 2 ± 0.5 sec	
12	Lead strength	Pull lead with a force of 10N,on the direction of the lead axis for 10 : 10 ± 1 sec	
13	Washability	Solvent : deionized water Solvent temp. : $55\pm 5^{\circ}\text{C}$ Soaking time : 5 ± 0.5 min.	

RoHS REPORT

NO	PART NAME	MATERIAL	APPROVAL NO.	
1	CASE	PPO	SGS 91828	
2	DIAPHRAGM	Fe alloy	SGS 31244	
3	MAGNET	Fe alloy	INTERTEK 232399-07	
4	PCB	Glassfiber	SGS 31243 SGS 508385	
5	LUMP	EPOXY	SGS 31241 SH508386	
6	PIN	Fe alloy	SH508390	
7	CORE	Fe alloy	SGS SH508389	
8	COIL	Cu	SGS 81327	





Test Report

ADVANCED ACOUSTIC TECHNOLOGY CORPORATION Report No. : CE/2004/91828
 2F, NO. 207, SEC. 6, CHUNG SHAN N. RD., SHIH-LIN, Date : 2004/09/20
 TAIPEI, TAIWAN, R. O. C. Page : 2 of 2

Test Result

PART NAME NO.1 : BLACK PLASTIC

Test Item (s):	Unit	Method	MDL	Result			
				No.1			
Chromium VI (Cr+6)	ppm	As per US EPA 7196A and US EPA 3060A.	2	N.D.			
Cadmium (Cd)	ppm	ICP-AES after as per EN 1122, method B:2001 or other acid digestion.	2	N.D.			
Mercury (Hg)	ppm	ICP-AES after as per US EPA 3052 or other acid digestion.	2	N.D.			
Lead (Pb)	ppm	ICP-AES after as per US EPA 3050B or other acid digestion.	2	N.D.			

Test Item (s):	Unit	Method	MDL	Result			
				No.1			
PBBs(Polybrominated biphenyls)(CAS NO:67774-32-7)	%	With reference to USEPA3540 or USEPA3550. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC and 76/769/EEC)	0.0005	N.D.			
PBBEs(PBDEs)(Polybrominated biphenyl ethers)	%	With reference to USEPA3540 or USEPA3550. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC and 76/769/EEC)	0.0005	N.D.			

NOTE: (1) N.D. = Not detected (<MDL)
 (2) ppm = mg/kg
 (3) MDL = Method Detection Limit

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf. Attention is drawn to the limitations of liability, indemnification, and Jurisdictional issues defined therein. The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full, without prior written permission of the Company. 此報告是依據本公司訂定之通用服務條款所製作發放。請注意此條款列印於背面。將本公司之義務，免責，管轄權皆明確規範之。此報告結果除非另有說明僅對檢驗之樣品負責。本報告未經本公司書面許可，不可部份複製。

TW 1080005

SGS Taiwan Ltd. | No. 136-1 Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan. / 台北縣五股工業區五工路136-1號
 台灣檢驗科技股份有限公司 | t (886-2) 2299-3939 | f (886-2) 2299-3237 | www.tw.sgs.com

Member of SGS Group



Test Report

ADVANCED ACOUSTIC TECHNOLOGY CORPORATION Report No : CE/2004/31244
 2F, NO.207, SEC.6, CHUNG CHAN N. RD., SHIH- Date : 2004/03/15
 LIN, TAIPEI, TAIWAN, R.O.C. Page : 1 of 1

The following merchandise was(were) submitted and identified by the client as :

Type of Product : BUZZER
 Sample Received : 2004/03/09.
 Testing Date : 2004/03/09 TO 2004/03/15


=====

Test Result

PART NAME NO.1 : SILVER COLORED METAL

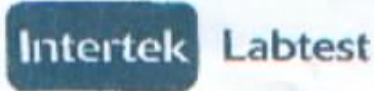
Test Item(s):	Unit	Method	MDL	Result			
				NO.1			
Chromium VI (Cr+6)	ppm	As per US EPA 7196A and US EPA 3060A.	2	N.D.			
Cadmium (Cd)	ppm	ICP-AES After As per EN 1122, Method B:2001 or other acid digestion.	2	N.D.			
Mercury (Hg)	ppm	ICP-AES After As per US EPA 3052 or other acid digestion.	2	N.D.			
Lead (Pb)	ppm	ICP-AES After As per US EPA 3050B or other acid digestion.	2	39.6			

- NOTE: (1) N.D. = Not detected.(<MDL)
 (2) ppm = mg/kg
 (3) MDL= Method Detection Limit
 (4) " ---" = Not Applicable
 (5) " -" = Not Regulation
 (6) * = Results shown are of the adjusted analytical results.
 (7) **= Qualitative analysis(No Unit)
 (8) Negative * Undetectable / Positive = Detectable.


 Daniel Yen, M.P., Operation Manager
 Signed for and on behalf of
 SGS TAIWAN LTD.

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf. Attention is drawn to the limitations of liability, indemnification, and Jurisdictional issues defined therein. The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full, without prior written permission of the Company. 此報告是遵循本公司訂定之通用服務條款所製作發放。請注意此條款列印於背面。將本公司之義務、免責、管轄權皆明確規範之。此報告結果除非另有說明僅對檢驗之樣品負責。本報告未經本公司書面許可，不可部份複製。

TW 0659184



TEST REPORT

NUMBER: 232399-07

APPLICANT: CHANG ZHOU HI-TECH INDUSTRY DEVELOPMENT DATE: JUN 21, 2004
ZONE SHENG HUI ELECTRONIC CO., LTD.
4 FLOOR, SOUTH BUILDING,
CHANG FA TECHNOLOGY, NO.29
MINJIANG ROAD, CHANG ZHOU
HI-TECH INDUSTRY DEVELOPMENT
ZONE, JIANGSU, CHINA.
ATTN: MS QIAN

SAMPLE DESCRIPTION:

ONE (1) SUBMITTED SAMPLE SAID TO BE MAGNET RING (磁环).
SUPPLIER: GAOXIN (常州市高新磁钢有限公司).

TESTS CONDUCTED:

AS REQUESTED BY THE APPLICANT, FOR DETAILS REFER TO ATTACHED PAGE(S)

AUTHORIZED BY:
FOR INTERTEK TESTING SERVICES
SHENZHEN LTD.


BEN N.L.LIN
SENIOR MANAGER



Intertek Labtest

TEST REPORT

NUMBER: 232399-07

TESTS CONDUCTED

(G) TEST RESULT SUMMARY :

TESTING ITEM	RESULT (in ppm)
CADMIUM (Cd) CONTENT	ND (<5)
LEAD (Pb) CONTENT	ND (<5)
MERCURY (Hg) CONTENT	ND (<5)
CHROMIUM (VI) (Cr ⁶⁺) CONTENT	ND (<5)

ppm = PARTS PER MILLION

< = LESS THAN

ND = NOT DETECTED

(B) TEST RESULT SUMMARY :

TESTING ITEM	RESULT (%)
POLYBROMINATED BIPHENYLS (PBB)	ND
POLYBROMINATED DIPHENYL ETHERS (PBDE)	ND

ND = NOT DETECTED

(C) TEST METHOD :

TESTING ITEM	TESTING METHOD	REPORTING LIMIT
CADMIUM (Cd) CONTENT	AS PER EN 1122 OR BY ACID DIGESTION AND DETERMINED BY ICP	5 ppm
LEAD (Pb) CONTENT	WITH REFERENCE TO USEPA 3050B, BY ACID DIGESTION AND DETERMINED BY ICP	5 ppm
MERCURY (Hg) CONTENT	WITH REFERENCE TO USEPA 3052, BY ACID DIGESTION AND DETERMINED BY ICP	0 ppm
CHROMIUM (VI) (Cr ⁶⁺) CONTENT	WITH REFERENCE TO USEPA 3060A & 7196A, BY ALKALINE DIGESTION AND DETERMINED BY UV-VIS SPECTROPHOTOMETER	1 ppm
POLYBROMINATED BIPHENYLS (PBB) & POLYBROMINATED DIPHENYL ETHERS (PBDE)	WITH REFERENCE TO USEPA 3540C, BY SOLVENT EXTRACTION AND DETERMINED BY GC/MS AND HPLC	0.01%

DATE SAMPLE RECEIVED : JUN 14, 2004

TESTING PERIOD : JUN 14, 2004 TO JUN 19, 2004

END OF REPORT



Test Report

ADVANCED ACOUSTIC TECHNOLOGY CORPORATION (Report No : CE/2004/31243)
 2F, NO.207, SEC.6, CHUNG CHAN N. RD., SHIH- Date : 2004/03/16
 LIN, TAIPEI, TAIWAN, R.O.C. Page : 1 of 1

The following merchandise was(were) submitted and identified by the client as :

Type of Product : BUZZER
 Sample Received : 2004/03/09.
 Testing Date : 2004/03/09 TO 2004/03/16

=====

Test Result

PART NAME NO.1 : GREEN PCB

Test Item(s):	Unit	Method	MDL	Result			
				NO.1			
Chromium VI (Cr+6)	ppm	As per US EPA 7196A and US EPA 3060A.	2	N.D.			
Cadmium (Cd)	ppm	ICP-AES After As per EN 1122, Method B:2001 or other acid digestion.	2	N.D.			
Mercury (Hg)	ppm	ICP-AES After As per US EPA 3052 or other acid digestion.	2	N.D.			
Lead (Pb)	ppm	ICP-AES After As per US EPA 3050B or other acid digestion.	2	13.5			

- NOTE: (1) N.D. = Not detected.(<MDL)
 (2) ppm = mg/kg
 (3) MDL= Method Detection Limit
 (4) " ---" = Not Applicable
 (5) " -" = Not Regulation
 (6) * = Results shown are of the adjusted analytical results.
 (7) **= Qualitative analysis(No Unit)
 (8) Negative = Undetectable / Positive = Detectable.


 Daniel Yen, M.P., Operation Manager
 Signed for and on behalf of
 SGS TAIWAN LTD.

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf. Attention is drawn to the limitations of liability, indemnification, and jurisdictional issues defined therein. The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full, without prior written permission of the Company. 此報告是遵循本公司訂定之通用服務條款所製作發放。請注意此條款列印於背面。將本公司之義務、免責、管轄權皆明確規範之。此報告結果除非另有說明僅對檢驗之樣品負責。本報告未經本公司書面許可，不可部份複製。

TW 0659531

Test Report

No. SH508385/CHEM

Date: 2.24.2005

Page 2 of 2

Test Results

Item	Unit	MDL	A
PBBs(Polybrominated biphenyls)	---	---	---
PBBs(Bromobiphenyl)	ppm	5	N.D.
PBBs(Dibromobiphenyl)	ppm	5	N.D.
PBBs(Tribromobiphenyl)	ppm	5	N.D.
PBBs(Tetrabromobiphenyl)	ppm	5	N.D.
PBBs(Pentabromobiphenyl)	ppm	5	N.D.
PBBs(Hexabromobiphenyl)	ppm	5	N.D.
PBBs(Heptabromobiphenyl)	ppm	5	N.D.
PBBs(Octabromobiphenyl)	ppm	5	N.D.
PBBs(Nonabromobiphenyl)	ppm	5	N.D.
PBBs(Polybrominated biphenyls)	ppm	5	N.D.
PBBEs(PBDEs)(Polybrominated biphenyl ethers)	---	---	---
PBBEs(PBDEs)(Monobromobiphenyl ether)	ppm	5	N.D.
PBBEs(PBDEs)(Dibromobiphenyl ether)	ppm	5	N.D.
PBBEs(PBDEs)(Tribromobiphenyl ether)	ppm	5	N.D.
PBBEs(PBDEs)(Tetrabromobiphenyl ether)	ppm	5	N.D.
PBBEs(PBDEs)(Pentabromobiphenyl ether)	ppm	5	N.D.
PBBEs(PBDEs)(Hexabromobiphenyl ether)	ppm	5	N.D.
PBBEs(PBDEs)(Heptabromobiphenyl ether)	ppm	5	N.D.
PBBEs(PBDEs)(Octabromobiphenyl ether)	ppm	5	N.D.
PBBEs(PBDEs)(Nonabromobiphenyl ether)	ppm	5	N.D.
PBBEs(PBDEs)(Decabromobiphenyl ether)	ppm	5	N.D.

(Result shown is of the total weight of sample)

Sample Description:

A. Green PCB board

Note : ppm=mg/kg

MDL= Method Detection Limit

N.D. = Not detected. (<MDL)

*** End of Report ***

This Test Report is issued by the Company subject to its General Conditions of Service printed over leaf or attached. Said Conditions are also available upon request or are accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdiction policies defined therein. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. This Test Report shall not be reproduced except in full, without written approval of the Company.

SHCH 219818



Test Report

ADVANCED ACOUSTIC TECHNOLOGY CORPORATION Report No : CE/2004/31241
 2F, NO.207, SEC.6, CHUNG CHAN N. RD., SHIH- Date : 2004/03/16
 LIN, TAIPEI, TAIWAN, R.O.C. Page : 1 of 1

The following merchandise was(were) submitted and identified by the client as :

Type of Product : BUZZER
Sample Received : 2004/03/09.
Testing Date : 2004/03/09 TO 2004/03/16

Test Result

PART NAME NO.1 : BLACK PLASTIC LUMP

Test Item(s):	Unit	Method	MDL	Result			
				NO.1			
Chromium VI (Cr+6)	ppm	As per US EPA 7196A and US EPA 3060A.	2	N.D.			
Cadmium (Cd)	ppm	ICP-AES After As per EN 1122, Method B:2001 or other acid digestion.	2	N.D.			
Mercury (Hg)	ppm	ICP-AES After As per US EPA 3052 or other acid digestion.	2	N.D.			
Lead (Pb)	ppm	ICP-AES After As per US EPA 3050B or other acid digestion.	2	N.D.			

- NOTE: (1) N.D. = Not detected.(<MDL)
 (2) ppm = mg/kg
 (3) MDL= Method Detection Limit
 (4) " ---" = Not Applicable
 (5) " -" = Not Regulation
 (6) * = Results shown are of the adjusted analytical results.
 (7) **= Qualitative analysis(No Unit)
 (8) Negative = Undetectable / Positive = Detectable.


 Daniel Yen, M.P., Operation Manager
 Signed for and on behalf of
 SGS TAIWAN LTD.

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf. Attention is drawn to the limitations of liability, indemnification, and Jurisdictional issues defined therein. The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full, without prior written permission of the Company. 此報告是遵循本公司訂定之通用服務條款所製作發放。請注意此條款列印於背面，將本公司之義務，免責，管轄權皆明確規範之。此報告結果除非另有說明僅對檢驗之樣品負責。本報告未經本公司書面許可，不可部份複製。

TW 0659605

Test Report

No. SH508390/CHEM

Date: 2.24.2005

Page 2 of 2

Test Results

No.	Item	Unit	MDL	A
1	Cadmium (Cd)	ppm	2	N.D.
2	Lead (Pb)	ppm	2	5
3	Mercury (Hg)	ppm	2	N.D.
4	Hexavalent Chromium (Cr VI)	ppm	2	N.D.

(Result shown is of the total weight of sample)

Sample Description:

A. Silvery metal pin

Note : ppm=mg/kg
MDL= Method Detection Limit
N.D. = Not detected (<MDL)

*** End of Report ***

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or attached. Said Conditions are also available upon request or are accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test Report refer only to the samples tested unless otherwise stated and such samples are retained for 30 days only. This Test Report shall not be reproduced except in full, without written approval of the Company.

SHCH 219625

Test Report

No. SH508389/CHEM

Date: 2.24.2005

Page 2 of 2

Test Results

No.	Item	Unit	MDL	Δ
1	Cadmium (Cd)	ppm	2	N.D.
2	Lead (Pb)	ppm	2	N.D.
3	Mercury (Hg)	ppm	2	N.D.
4	Hexavalent Chromium (Cr VI)	ppm	2	N.D.

(Result shown is of the total weight of sample)

Sample Description:

A. Silvery metal

Note : ppm=mg/kg
MDL = Method Detection Limit
N.D. = Not detected.(<MDL)

*** End of Report ***

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or attached. Said Conditions are also available upon request or are accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. This Test Report shall not be reproduced except in full, without written approval of the Company.

SHCH 219820



Test Report

DAIKOKU ELECTRIC WIRE CO., LTD.
767-90 HACHISU KUROBANI-CHO, NASU-GUN,
TOCHIGI-PREF, JAPAN 324-02

Report No. : CE/2004/81327
Date : 2004/08/19
Page : 1 of 1

The following merchandise was (were) submitted and identified by the client as :

Type of Product : MAGNET WIRE
Style/Item No : DS-UP
Sample Received : 2004/08/12
Testing Date : 2004/08/12 TO 2004/08/19

Test Result

PART NAME NO.1 : COPPER COLORED METAL WIRE

Test Item (s)	Unit	Method	MDL	Result			
				No.1			
Chromium VI (Cr+6)	ppm	As per US EPA 7196A and US EPA 3060A.	2	N.D.			
Cadmium (Cd)	ppm	ICP-AES after as per EN 1122, method B:2001 or other acid digestion.	2	N.D.			
Mercury (Hg)	ppm	ICP-AES after as per US EPA 3052 or other acid digestion.	2	N.D.			
Lead (Pb)	ppm	ICP-AES after as per US EPA 3050B or other acid digestion.	2	N.D.			

NOTE: (1) N.D. = Not detected (<MDL)
(2) ppm = mg/kg
(3) MDL = Method Detection Limit

[Signature]
Signed for and on behalf of
SGS TAIWAN LTD.

TW 1018147

The Test Report is issued by the Company subject to the General Conditions of Service printed overleaf. Attention is drawn to the limitations of liability, accuracy and confidentiality stated therein. The results shown in this test report refer only to the particular samples submitted and are not intended to be a representation of the quality of the material. The results are not valid for any other purpose without the prior written permission of the Company. 本報告係根據客戶提供之樣品所進行之測試結果，僅供參考，不作為任何品質保證之依據。本公司對於測試結果之準確性及保密性，均受其服務條款之限制。請參閱本報告背面之服務條款。 本公司對於測試結果之準確性及保密性，均受其服務條款之限制。請參閱本報告背面之服務條款。

SGS Taiwan Ltd. No. 136-1 Wu Kung Road, Wuks Industrial Zone, Taipei County, Taiwan. / 台北縣五股工業區五工路136-1號
1 (886-2) 2289-3998 f (886-2) 2289-3227 www.tw.sgs.com
台灣檢驗科技股份有限公司