

KYTECH ELECTRONICS, LTD.

NO. 135-2, KAO-SAN-HSIA, KAOSHUANG LI, PING JHEN CITY, TAOYUAN HSIEN, TAIWAN Report No : CS/2006/50302

Date: 2006/05/24

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

Type of Product

: SOLID STATE RELAY

Style/Item No

: PANEL TYPE(KC \ KD \ KG \ KL \ KR SERIES)

Test Result : - Please see the next page -

This report is combined with 17 copies of test reports which hereby certified by SGS through the verification of each above certification provided by client

ned for and on behalf of

SGS TAIWAN LTD.



KYTECH ELECTRONICS, LTD.

NO. 135-2, KAO-SAN-HSIA, KAOSHUANG LI,

PING JHEN CITY, TAOYUAN HSIEN, TAIWAN

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Test Result

PART NAME NO.1

PART NAME NO.2	:	BLACK PLASTIC BODY(CS/2005/B0048 NO.1)
PART NAME NO.3	:	SILVER COLORED METAL PIN(CS/2005/B0048 NO.2)
PART NAME NO.4	:	MIXED ALL PARTS(CS/2005/B0048 NO.3)
	_	MIVED VELLOUIGH DROWN DODY WITH DROWN DRINTED/OF (0005 /44501A)

PART NAME NO.5 MIXED YELLOWISH BROWN BODY WITH BROWN PRINTED(CE/2005/44501A) PART NAME NO.6 MIXED YELLOW EPOXY RESIN & SILVER COLORED METAL ZINC WIRE &

SILVER COLORED METAL ZINC-TIN WIRE & SILVERY COPPER WIRE & SILVER

COLORED METAL FILM & YELLOW TAPE(CE/2005/41073)

MIXED ALL PARTS(FIXED RESISTORS)(CE/2005/B2109)

PART NAME NO.7 MIXED ALL PARTS(TOSHIBA SEMICONDUCTOR)(CE/2005/B6346A)

PART NAME NO.8 BLACK PLASTIC PART(GZSCR040308935/LP) TRANSPARENT BODY(GZSCR050635328/LP NO.1) PART NAME NO.9 SILVERY METAL PIN(GZSCR050635328/LP NO.2) PART NAME NO.10 PART NAME NO.11 LUPOX GP-2156F NP(F690101/LF-CTS020067)

GREEN BOARD(CE/2004/A0681) PART NAME NO.12

PART NAME NO.13 MULTICOLORED PLASTIC PELLETS(CE/2005/33371)

PART NAME NO.14 SILVER COLORED METAL(CE/2004/C4252A) BROWN-YELLOW LIQUID(CE/2004/52741) PART NAME NO.15

PART NAME NO.16 SILVER COLORED METAL SCREW(CE/2005/A4381)

PART NAME NO.17 ALUMINIUM SHEET(KA/2005/90462) PART NAME NO.18 EPORITE 5350A/B(KA/2006/10403) GRAY SHEET(CE/2005/40060A) PART NAME NO.19

PART NAME NO.20 SILVER COLORED METAL WIRE(CE/2005/A1680A)

				Result				
Test Item(s):	Unit	Method	MDL	NO.1	NO.2	NO.3	NO.4	NO.5
Chromium VI (Cr+6)	ppm	UV-VIS(US EPA 7196A) after reference to US EPA 3060A.	2	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	ppm	ICP-AES after reference to EN 1122, method B:2001 or other acid digestion.	2	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	ppm	ICP-AES after reference to US EPA 3052 or other acid digestion.	2	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	N.D.	72.9	85.8	68.4	14.9



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						Result	-	
Test Item(s):	Unit	Method	MDL	NO.1	NO.2	NO.3	NO.4	NO.5
Monobromobiphenyl	%		0.0005	N.D.	N.D.		N.D.	N.D.
Dibromobiphenyl	%		0.0005	N.D.	N.D.		N.D.	N.D.
Tribromobiphenyl	%	With reference to	0.0005	N.D.	N.D.		N.D.	N.D.
Tetrabromobiphenyl	%	USEPA3540C or	0.0005	N.D.	N.D.		N.D.	N.D.
Pentabromobiphenyl	%	USEPA3550C. Analysis was	0.0005	N.D.	N.D.		N.D.	N.D.
Hexabromobiphenyl	%	performed by HPLC/DAD,	0.0005	N.D.	N.D.		N.D.	N.D.
Heptabromobiphenyl	%	LC/MS or GC/MS.	0.0005	N.D.	N.D.		N.D.	N.D.
Octabromobiphenyl	%	(prohibited by 2002/95/EC	0.0005	N.D.	N.D.		N.D.	N.D.
Nonabromobiphenyl	%	(RoHS), 83/264/EEC, and	0.0005	N.D.	N.D.		N.D.	N.D.
Decabromobiphenyl	%	76/769/EEC)	0.0005	N.D.	N.D.		N.D.	N.D.
Total PBBs (Polybrominated	%		_	N.D.	N.D.		N.D.	N.D.
biphenyls)/Sum of above								
Monobromobiphenyl ether	%		0.0005	N.D.	N.D.		N.D.	N.D.
Dibromobiphenyl ether	%		0.0005	N.D.	N.D.		N.D.	N.D.
Tribromobiphenyl ether	%		0.0005	N.D.	N.D.		N.D.	N.D.
Tetrabromobiphenyl ether	%		0.0005	N.D.	N.D.		N.D.	N.D.
Pentabromobiphenyl ether	%	With reference to	0.0005	N.D.	N.D.		N.D.	N.D.
Hexabromobiphenyl ether	%	USEPA3540C or	0.0005	N.D.	N.D.		N.D.	N.D.
Heptabromobiphenyl ether	%	USEPA3550C. Analysis was	0.0005	N.D.	N.D.		N.D.	N.D.
Octabromobiphenyl ether	%	performed by HPLC/DAD,	0.0005	N.D.	N.D.		N.D.	N.D.
Nonabromobiphenyl ether	%	LC/MS or GC/MS.	0.0005	N.D.	N.D.		N.D.	N.D.
Decabromobiphenyl ether	%	(prohibited by 2002/95/EC (RoHS), 83/264/EEC, and	0.0005	N.D.	N.D.		N.D.	N.D.
Total PBBEs(PBDEs)	%	(Rohs), 83/204/EEC, and 76/769/EEC)	_	N.D.	N.D.		N.D.	N.D.
(Polybrominated biphenyl		10 109 EEC 						
ethers)/Sum of above								
Total of Mono to Nona-	%		-	N.D.	N.D.		N.D.	N.D.
brominated biphenyl ether. (Note 4)								
(Moto I)	<u> </u>					D14		
Test Item(s):	Unit	Method	MDL	NO.6	NO.7	Result NO.8	NO.9	NO.10
Chromium VI (Cr+6)	ppm	UV-VIS(US EPA 7196A) after	2	N.D.	N.D.	N.D.	N.D.	N.D.
Cirollian VI (CI · O)	ppiii	reference to US EPA 3060A.	4	и.р.	IV.D.	N.D.	N.D.	11.1.
Cadmium (Cd)	ppm	ICP-AES after reference to	2	N.D.	N.D.	N.D.	7.0	26.0
	PPIII	EN 1122, method B:2001 or		11.1.	11.12.	11.1.	7.0	20.0
		other acid digestion.						
Mercury (Hg)	ppm	ICP-AES after reference to	2	N.D.	N.D.	N.D.	N.D.	N.D.
11101041 4 (118)	PPIII	US EPA 3052 or other acid		11,10,	11.10.	11.10.	11.10.	11,10.
		digestion.						
Lead (Pb)	ppm	ICP-AES after reference to	2	47.9	11.0	N.D.	N.D.	N.D.
Dodd (1 b)	PPIII	US EPA 3050B or other acid		11.5	11.0	11.1.	11.1.	11.10.
		digestion.						
	1	argeomori.				<u> </u>		<u> </u>



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						Result		
Test Item(s):	Unit	Method	MDL	NO.6	NO.7	NO.8	NO.9	NO.10
Monobromobiphenyl	%		0.0005	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	%		0.0005	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	%	With reference to	0.0005	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	%	USEPA3540C or	0.0005	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	%	USEPA3550C. Analysis was	0.0005	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	%	performed by HPLC/DAD,	0.0005	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	%	LC/MS or GC/MS.	0.0005	N.D.	N.D.		N.D.	
Octabromobiphenyl	%	(prohibited by 2002/95/EC	0.0005	N.D.	N.D.		N.D.	
Nonabromobiphenyl	%	(RoHS), 83/264/EEC, and	0.0005	N.D.	N.D.		N.D.	
Decabromobiphenyl	%	76/769/EEC)	0.0005	N.D.	N.D.		N.D.	
Total PBBs (Polybrominated	%		-	N.D.	N.D.		N.D.	
biphenyls)/Sum of above								
Monobromobiphenyl ether	%		0.0005	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl ether	%		0.0005	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl ether	%		0.0005	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl ether	%	XXV:41 6	0.0005	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl ether	%	With reference to USEPA3540C or	0.0005	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl ether	%	USEPA3540C or USEPA3550C. Analysis was	0.0005	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl ether	%	performed by HPLC/DAD,	0.0005	N.D.	N.D.		N.D.	
Octabromobiphenyl ether	%	LC/MS or GC/MS.	0.0005	N.D.	N.D.		N.D.	
Nonabromobiphenyl ether	%	(prohibited by 2002/95/EC	0.0005	N.D.	N.D.		N.D.	
Decabromobiphenyl ether	%	(RoHS), 83/264/EEC, and	0.0005	N.D.	N.D.		N.D.	
Total PBBEs(PBDEs)	%	76/769/EEC)	-	N.D.	N.D.		N.D.	
(Polybrominated biphenyl		. 6, 165, 226,						
ethers)/Sum of above Total of Mono to Nona-	%	+		N.D.	N.D.		N.D.	
brominated biphenyl ether.	%		-	N.D.	N.D.		N.D.	
(Note 4)								
						Result		
Test Item(s):	Unit	Method	MDL	NO.11	NO.12	NO.13	NO.14	NO.15
Chromium VI (Cr+6)	ppm	UV-VIS(US EPA 7196A) after	2	N.D.	N.D.	N.D.	N.D.	N.D.
		reference to US EPA 3060A.						
Cadmium (Cd)	ppm	ICP-AES after reference to	2		N.D.	N.D.	N.D.	N.D.
, ,		EN 1122, method B:2001 or						
		other acid digestion.						
Mercury (Hg)	ppm	ICP-AES after reference to	2	N.D.	N.D.	N.D.	N.D.	N.D.
		US EPA 3052 or other acid						
		digestion.						
Lead (Pb)	ppm	ICP-AES after reference to	2	N.D.	N.D.	12.0	498.7	9.4
		US EPA 3050B or other acid						
		digestion.						
	<u> </u>	digestion.						



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				Result				
Test Item(s):	Unit	Method	MDL	NO.11	NO.12	NO.13	NO.14	NO.15
Cadmium (Cd)		ICP-AES after reference to US EPA 3050B or other acid digestion.	2	N.D.				

						Result		
Test Item(s):	Unit	Method	MDL	NO.11	NO.12	NO.13	NO.14	NO.15
Monobromobiphenyl	%		0.0005	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	%		0.0005	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	%		0.0005	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	%	With reference to	0.0005	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	%	USEPA3550C. Analysis was	0.0005	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	%		0.0005	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	%	LC/MS or GC/MS.	0.0005	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	%	(prohibited by 2002/95/EC	0.0005	N.D.	N.D.	N.D.	N.D.	
Nonabromobiphenyl	%	(RoHS), 83/264/EEC, and	0.0005	N.D.	N.D.	N.D.	N.D.	
Decabromobiphenyl	%	76/769/EEC)	0.0005	N.D.	N.D.	N.D.	N.D.	
Total PBBs	%		-	N.D.	N.D.	N.D.	N.D.	
(Polybrominated biphenyls)/Sum of above								
Monobromobiphenyl ether	%		0.0005	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl ether	%		0.0005	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl ether	%		0.0005	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl ether	%		0.0005	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl ether	%	With reference to	0.0005	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl ether	%	USEPA3540C or	0.0005	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl ether	%	USEPA3550C. Analysis was	0.0005	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl ether	%	performed by HPLC/DAD,	0.0005	N.D.	N.D.	N.D.	N.D.	
Nonabromobiphenyl ether	%	LC/MS or GC/MS. (prohibited by 2002/95/EC	0.0005	N.D.	N.D.	N.D.	N.D.	
Decabromobiphenyl ether	%	(RoHS), 83/264/EEC, and	0.0005	N.D.	N.D.	N.D.	N.D.	
Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above	%	76/769/EEC)	-	N.D.	N.D.	N.D.	N.D.	
Total of Mono to Nona- brominated biphenyl ether. (Note 4)	%		-	N.D.	N.D.	N.D.	N.D.	



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						Result		
Test Item(s):	Unit	Method	MDL	NO.16	NO.17	NO.18	NO.19	NO.20
Monobromobiphenyl	%		0.0005	N.D.		N.D.	N.D.	N.D.
Dibromobiphenyl	%		0.0005	N.D.		N.D.	N.D.	N.D.
Tribromobiphenyl	%		0.0005	N.D.		N.D.	N.D.	N.D.
Tetrabromobiphenyl	%	With reference to	0.0005	N.D.		N.D.	N.D.	N.D.
Pentabromobiphenyl	%	USEPA3540C or	0.0005	N.D.		N.D.	N.D.	N.D.
Hexabromobiphenyl	%	USEPA3550C. Analysis was	0.0005	N.D.		N.D.	N.D.	N.D.
Heptabromobiphenyl	%	performed by HPLC/DAD, LC/MS or GC/MS.	0.0005	N.D.		N.D.	N.D.	N.D.
Octabromobiphenyl	%	(prohibited by 2002/95/EC	0.0005	N.D.		N.D.	N.D.	N.D.
Nonabromobiphenyl	%	(RoHS), 83/264/EEC, and	0.0005	N.D.		N.D.	N.D.	N.D.
Decabromobiphenyl	%	76/769/EEC)	0.0005	N.D.		N.D.	N.D.	N.D.
Total PBBs	%		-	N.D.		N.D.	N.D.	N.D.
(Polybrominated								
biphenyls)/Sum of above								
Monobromobiphenyl ether	%		0.0005	N.D.		N.D.	N.D.	N.D.
Dibromobiphenyl ether	%		0.0005	N.D.		N.D.	N.D.	N.D.
Tribromobiphenyl ether	%		0.0005	N.D.		N.D.	N.D.	N.D.
Tetrabromobiphenyl ether	%		0.0005	N.D.		N.D.	N.D.	N.D.
Pentabromobiphenyl ether	%	With reference to	0.0005	N.D.		N.D.	N.D.	N.D.
Hexabromobiphenyl ether	%	USEPA3540C or	0.0005	N.D.		N.D.	N.D.	N.D.
Heptabromobiphenyl ether	%	USEPA3550C. Analysis was	0.0005	N.D.		N.D.	N.D.	N.D.
Octabromobiphenyl ether	%	performed by HPLC/DAD,	0.0005	N.D.		N.D.	N.D.	N.D.
Nonabromobiphenyl ether	%	LC/MS or GC/MS.	0.0005	N.D.		N.D.	N.D.	N.D.
Decabromobiphenyl ether	%	(prohibited by 2002/95/EC	0.0005	N.D.		N.D.	N.D.	N.D.
Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above	%	(RoHS), 83/264/EEC, and 76/769/EEC)	-	N.D.		N.D.	N.D.	N.D.
Total of Mono to Nona- brominated biphenyl ether. (Note 4)	%		-	N.D.		N.D.	N.D.	N.D.



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Test Item(s):	Unit	Method	MDL	NO.16	NO.17	NO.18	NO.19	NO.20
Chromium VI (Cr+6)	ppm	UV-VIS(US EPA 7196A) after reference to US EPA 3060A.	2	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)		ICP-AES after reference to EN 1122, method B:2001 or other acid digestion.	2	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)		ICP-AES after reference to US EPA 3052 or other acid digestion.	2	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)		ICP-AES after reference to US EPA 3050B or other acid digestion.	2	N.D.	N.D.	N.D.	N.D.	184.3

NOTE: (1) N.D. = Not detected (<MDL)

- (2) ppm = mg/kg
- (3) MDL = Method Detection Limit
- (4) Decabromodiphenyl ether (DecaBDE) in polymeric applications is exempted by Commission Decision of 13 Oct 2005 amending Directive 2002/95/EC notified under document 2005/717/EC.
- (5) PBBEs=PBDEs=Polybrominated Diphenyl Ethers=PBDOs=PBBOs.
- (6) " " = Not Regulation
- (7) " --- " = Not Applicable



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