

ICP Test Report

PRODUCT NAME: QUARTZ CRYSTAL

PRODUCT TYPE: HSX630G / DSX630G Series

SUPPLIER NAME: HARMONY ELECTONICS CORP. / DAISHINKU CORP.

ADDRESS: NO 39, HWA DONG ROAD TA FA IND. DISTRICT, KAOHSIUNG COUNTY, R.O.C.


TEL NO: 886-7-7871555

DATE PREPARED: 2006/1/19

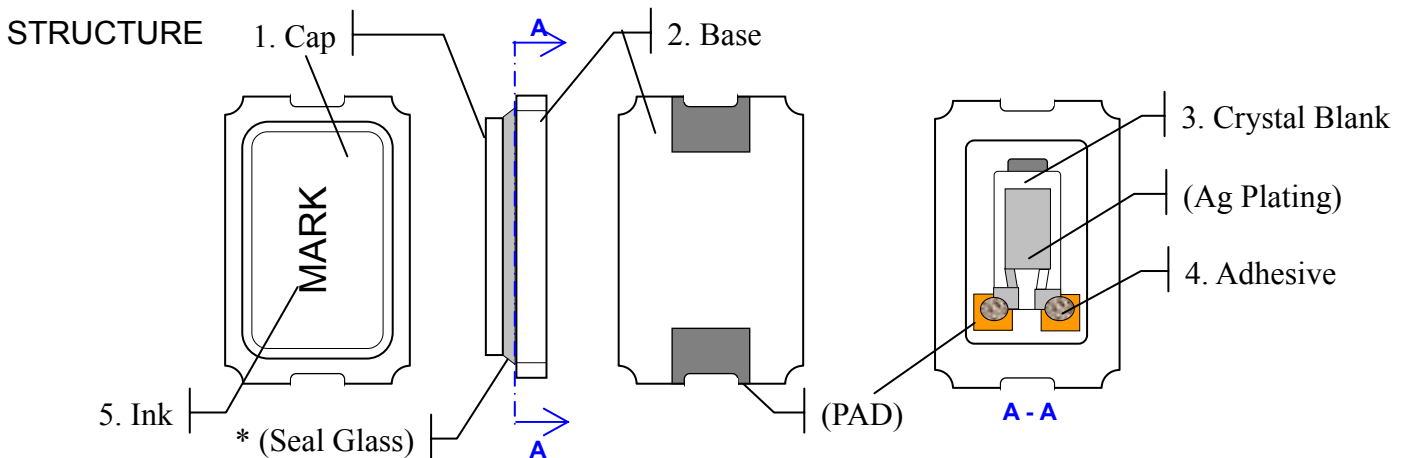
COMPOSITION/INFORMATION ON INGREDIENTS

Product composition part table

Weight: 0.0718g

Part No.	Part Name	Material	Appearance
1	Cap	Alumina Ceramic (Al_2O_3) Seal Glass ($Al_2O_3 + PbO$)	
2	Base	Alumina Ceramic (Al_2O_3) Pad: W + Ni/Au Plating	
3	Crystal Blank	$SiO_2 + Ag$ Plating	
4	Adhesive	Silver Conductive Polyimide Resin	
5	Ink *	Cycloaliphatic epoxy resin	

*Option: Leaser marking / ink not use



Remark

* Applications of lead, mercury, cadmium and hexavalent chromium, which are exempted from the Requirements of Article 4(1)

5. Lead in glass of cathode ray tubes, electronic components and fluorescent tube

Ref. Directive 2002/95/EC of the EUROPEAN parliament and of the council of 27 JANUARY 2003



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THE FOLLOWING MERCHANDISE WAS(WERE) SUBMITTED ON BEHALF OF THE CLIENT AND IDENTIFIED AS:

CLIENT : HARMONY ELECTRONICS CORP.
 : DAISHINKU CORP.(KDS).
 PRODUCT DESCRIPTION : CRYSTAL RESONATOR.
 : TEST PART.
 : NO.1:MIX TEST:CAP+SEAL GLASS.
 : NO.2:MIX TEST:BASE+BLANK+ADHESIVE.
 : NO.3:MIX TEST:CAP+SEAL GLASS+BASE+BLANK+ADHESIVE.
 STYLE/ITEM NO. : HSX630G DSX630G.
 SAMPLE : AS ATTACHED PHOTO .
 TESTING DATE : 2006/1/13 TO 2006/1/19 .
 SAMPLE RECEIVED : 2006/01/12.

WE HAVE TESTED THE SAMPLE(S) SUBMITTED AS REQUESTED AND THE FOLLOWING RESULTS WERE OBTAINED.

TEST ITEM(S)	UNIT	METHOD	MDL	RESULT		
				NO.1	NO.2	NO.3
Cadmium (Cd)	ppm	ICP-AES after reference to EN 1122 :2001 or other acid digestion.	2	n.d.	n.d.	---
Chromium VI (Cr+6)	ppm	As per US EPA 7196A and US EPA 3060A.	2	n.d.	n.d.	---
Mercury (Hg)	ppm	ICP-AES after reference to US EPA 3052 or other acid digestion.	2	n.d.	n.d.	---
Lead (Pb)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	69700	n.d.	---


 Kueilan Chen / Asst. Supervisor
 Signed for and on behalf of
 SGS Taiwan Limited



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TEST ITEM(S)	UNIT	METHOD	MDL	RESULT		
				NO.1	NO.2	NO.3
PBBs(Polybrominated biphenyls)	---	---	---	---	---	---
Monobromobiphenyl	%	With reference to USEPA3540C or USEPA3550C. 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.
Dibromobiphenyl	%		0.0005	---	---	n.d.
Trbromobiphenyl	%		0.0005	---	---	n.d.
Tetrabromobiphenyl	%		0.0005	---	---	n.d.
Pentabromobiphenyl	%		0.0005	---	---	n.d.
Hexabromobiphenyl	%		0.0005	---	---	n.d.
Heptabromobiphenyl	%		0.0005	---	---	n.d.
Octabromobiphenyl	%		0.0005	---	---	n.d.
Nonabromobiphenyl	%		0.0005	---	---	n.d.
Decabromobiphenyl	%		0.0005	---	---	n.d.
PBDEs(Polybrominated biphenyl ethers)	---	---	---	---	---	
Monobromobiphenyl ether	%	With reference to USEPA3540C or USEPA3550C. 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.
Dibromobiphenyl ether	%		0.0005	---	---	n.d.
Trbromobiphenyl ether	%		0.0005	---	---	n.d.
Tetrabromobiphenyl ether	%		0.0005	---	---	n.d.
Pentabromobiphenyl ether	%		0.0005	---	---	n.d.
Hexabromobiphenyl ether	%		0.0005	---	---	n.d.
Heptabromobiphenyl ether	%		0.0005	---	---	n.d.
Octabromobiphenyl ether	%		0.0005	---	---	n.d.
Nonabromobiphenyl ether	%		0.0005	---	---	n.d.
Decabromobiphenyl ether	%		0.0005	---	---	n.d.

NOTE: (1) n.d. = not detected
 (2) ppm = mg/kg
 (3) MDL = Method Detection Limit



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