

主要技术参数、性能

项 目	参 数
电路图	2P ON-OFF
额定电流、电压	2/8A 250V AC
绝缘电阻	≥100MΩ
接触电阻	≤50mΩ
介电强度(极间)	≥1500V/1min
电器寿命	≥10 ⁴ 次
相对湿度	98% (40℃)

					GEC GREEN ELECTRONICS COMPANY www.greenelec.co.kr			浙江中讯电子有限公司	
								船形开关	
标记	处数	更改文件名	签 字	日 期	图 样 标 记			重 量	比 例
设 计					S	A	B		2:1
审 核			批 准		共 张			第 张	
			日 期						
								KCD1-101A	



样品承认书

SPECIFICATION FOR APPROVAL

型号 (Model): KCD1-101 A

品名 (Name): 船形开关

ROCKER SWITCH

编制 Edit	审核 Check	批准 Approved	客户承认 Customer Approved
林强	孙强	徐生民	

浙江中讯电子有限公司/ZHEJIANG ZHONGXUN ELECTRONICS CO., LTD.

浙江省乐清市虹桥镇七村工业区

QICUN INDUSTRY ZONE, HONGQIAO, YUEQING, ZHEJIANG, CHINA

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ZHEJIANG ZHONGXUN ELECTRONIC CO.,LTD.

浙江中讯电子有限公司

Sample Inspection Report

样品检验报告

检验日期 (Date): _____

No.: _____

型号 (Model)	KCD1-101 A	品名 (Name)	船形开关	样品数量 (Q'TY)	5 Pcs
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单位 (Unit): mm

尺寸测量分布 (DATA)

代码/CODE	规格/SPEC	1	2	3	4	5	测量工具 (Measure Tool)
A	0.6 ± 0.03	0.58	0.60	0.57	0.58	0.58	游标卡尺/vernier calliper
B	4.8 ± 0.05	4.85	4.85	4.85	4.85	4.85	游标卡尺/vernier calliper
C	7 ± 0.10	6.90	6.94	6.94	6.92	6.92	游标卡尺/vernier calliper
D	12.8 ± 0.10	12.70	12.70	12.73	12.72	12.70	游标卡尺/vernier calliper
E	21 ± 0.20	20.90	20.92	20.90	20.90	20.92	游标卡尺/vernier calliper
F	15 ± 0.10	15.00	15.00	15.04	15.03	15.00	游标卡尺/vernier calliper
G	22.4 ± 0.20	22.60	22.54	22.54	22.56	22.50	游标卡尺/vernier calliper
H							

代码 (A、B、C……) 与规格图尺寸编码相对应

This code (A、B、C……) identify with the size code of the drawing

项目 (Item)	要求 (Require)	结论 (Result)	测量工具 (Measure Tool)
耐电压测试 (Dielectric Strength)	AC 1500V 0.5mA 1min	无击穿 (No Breakdown)	耐压测试仪 (Resistance Pressure Test Instrument)
绝缘阻抗测试 (Insulation Resistance)	100M Ω Min	OK	绝缘电阻测试仪 (Insulation Resistance Test Instrument)
接触电阻测试 (Contact Resistance)	50m Ω Max	OK	线性毫欧表 (Linearity Milliohm Meter)

动作灵活性 (Action) 开关动作灵活, 无卡滞现象/Switch action if flexible, No lagging

外观 (Surface)	塑料件表面光洁, 无飞边、花纹收缩, 金属件无划伤、压痕, 镀层光亮, 无脱落 Plastic unit face is complete, no spare, no pattern, no shrinkage, Metal Unit no scuffing, no pressing, Plating layer is light, no shedding.
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判定结果 (Result):

☒ 合格 (Accept)☐ 不合格 (Reject)

批准 (Approved):

曾祥忠

审核 (Check):

曾祥忠

检验 (Inspector):

曾祥忠

质管部



ZHEJIANG ZHONGXUN ELECTRONIC CO.,LTD.

浙江中讯电子有限公司

Material List

材 料 清 单

型号 (Model)		KCD1-101 A	品名 (Name)	船形开关
序号 (No.)	零件名称 (component)	材料名称、型号 (material)	供应商 (supplier)	备注 (remarks)
1	基座 (Base)	PA66-301-G15 Nylon	温州俊尔 Wenzhou jun' er	
2	按钮 (Push button)	PA66-301-G0 Nylon	温州俊尔 Wenzhou jun' er	
3	弹簧 (Spring)	弹簧钢丝 Steel wire	新达电子元件厂 Xinda Electronic Component Co	
4	触点 (Contact)	AgCd012/Cu	福达合金材料公司 Fuda Alloy Material Co., ltd	
5	铜套 (Copper sheathing)	0. 25 钢带 08F steel strip	上海宝钢 Shanghai baogang Co.	
6	中端 (Middle Terminal)	0. 6 铜带 H62Y Copper strip	宁波兴业铜业公司 Ningbo Xingye Copper Co., ltd	
7	弯端 (tortuous terminal)	0. 6 铜带 H62Y2 Copper strip	宁波兴业铜业公司 Ningbo Xingye Copper Co., ltd	
8	接触桥 (Contact bridge)	0. 6 铜带 H62Y Copper strip	宁波兴业铜业公司 Ningbo Xingye Copper Co., ltd	
批准 (Approved):		审核 (Check):	编制 (Edit):	

Test Report

No. SH6139856/ CHEM Date: Nov. 20, 2006

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ZHEJIANG ZHONGXUN ELECTRONICS CO., LTD
XIXI INDUSTRIAL ZONE, YUEQING HONGQIAO, ZHEJIANG PROVINCE

Report on the submitted sample said to be SWITCH.

SGS Ref No. : 10139320-2
Model No. : KCD1
Main Substance : 1. STEEL PLUNGER 2. SPRING 3. TERMINAL WITH CONTACT 4. BLACK PLASTIC

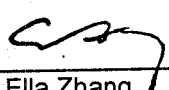
Sample Receiving Date : Nov. 16, 2006
Testing Period : Nov. 16 – 20, 2006

Test Requested : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives

Test Method : (1) With reference to IEC 62321 Ed 111/54/CDV for Cadmium content
Analysis was performed by ICP and AAS.
(2) With reference to IEC 62321 Ed 111/54/CDV for Lead content
Analysis was performed by ICP and AAS.
(3) With reference to IEC 62321 Ed 111/54/CDV for Mercury content
Analysis was performed by ICP.
(4) With reference to IEC 62321 Ed 111/54/CDV for Hexavalent Chromium by
spot test / Colorimetric Method.
(5) With reference to US EPA Method 3540C/ 3550C for PBB / PBDE Content.
Analysis was performed by GC/MS

Test Results : Please refer to next pages

Signed for and on behalf of
SGS-CSTC Chemical Laboratory


Ella Zhang
Sr. Section Head

Signed for and on behalf of
SGS-CSTC Chemical Laboratory


Sandy Hao
Lab Manager

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Test results by chemical method (Unit: mg/kg)

Test Item(s):	Method (refer to)	1	2	MDL	RoHS Limit
Cadmium(Cd)	(1)	ND	ND	2	100
Lead (Pb)	(2)	ND	ND	2	1000
Mercury (Hg)	(3)	ND	ND	2	1000
Hexavalent Chromium (CrVI) by Spot test / boiling water extraction	(4)	Negative	Negative	See Note (5)	#

Test Item(s):	Method (refer to)	3	4	MDL	RoHS Limit
Cadmium(Cd)	(1)	3	ND	2	100
Lead (Pb)	(2)	138	4	2	1000
Mercury (Hg)	(3)	ND	ND	2	1000
Hexavalent Chromium (CrVI)	(4)	---	ND	2	1000
Hexavalent Chromium (CrVI) by Spot test / boiling water extraction	(4)	Negative	---	See Note (5)	#
Sum of PBBs	(5)	---	ND	-	1000
Monobromobiphenyl		---	ND	5	-
Dibromobiphenyl		---	ND	5	-
Tribromobiphenyl		---	ND	5	-
Tetrabromobiphenyl		---	ND	5	-
Hexabromobiphenyl		---	ND	5	-
Pentabromobiphenyl		---	ND	5	-
Heptabromobiphenyl		---	ND	5	-
Octabromobiphenyl		---	ND	5	-
Nonabromobiphenyl		---	ND	5	-
Decabromobiphenyl		---	ND	5	-
Sum of PBDEs (Note 4)		---	ND	-	1000
Monobromodiphenyl ether		---	ND	5	-
Dibromodiphenyl ether		---	ND	5	-
Tribromodiphenyl ether		---	ND	5	-
Tetrabromodiphenyl ether		---	ND	5	-
Pentabromodiphenyl ether		---	ND	5	-
Hexabromodiphenyl ether		---	ND	5	-
Heptabromodiphenyl ether		---	ND	5	-
Octabromodiphenyl ether		---	ND	5	-
Nonabromodiphenyl ether		---	ND	5	-
Decabromodiphenyl ether		---	ND	5	-
Sum of PBDEs (Mono to Deca)		---	ND	-	-

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Test Part Description:

1. Silvery metal plunger
2. Silvery metal spring
3. Silvery metal terminal
4. Black plastic with white

Note:

- (1) mg/kg = ppm
- (2) ND = Not Detected
- (3) MDL = Method Detection Limit
- (4) Sum of Mono to NonaBDE & according to 2005/717/EC DecaBDE is exempt.
- (5) Spot-test:
Negative = Absence of CrVI coating, Positive = Presence of CrVI coating;
(The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed.)
Boiling-water-extraction:
Negative = Absence of CrVI coating
Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area.
- (6) # = Positive indicates the presence of Hexavalent Chromium on the tested areas and result be regarded as conflict with RoHS requirement.
Negative indicates the absence of CrVI on the tested areas and result be regarded as no conflict with RoHS requirement.
- (7) "-" = Not Regulated
- (8) "----" = Not Conducted
- (9) The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC

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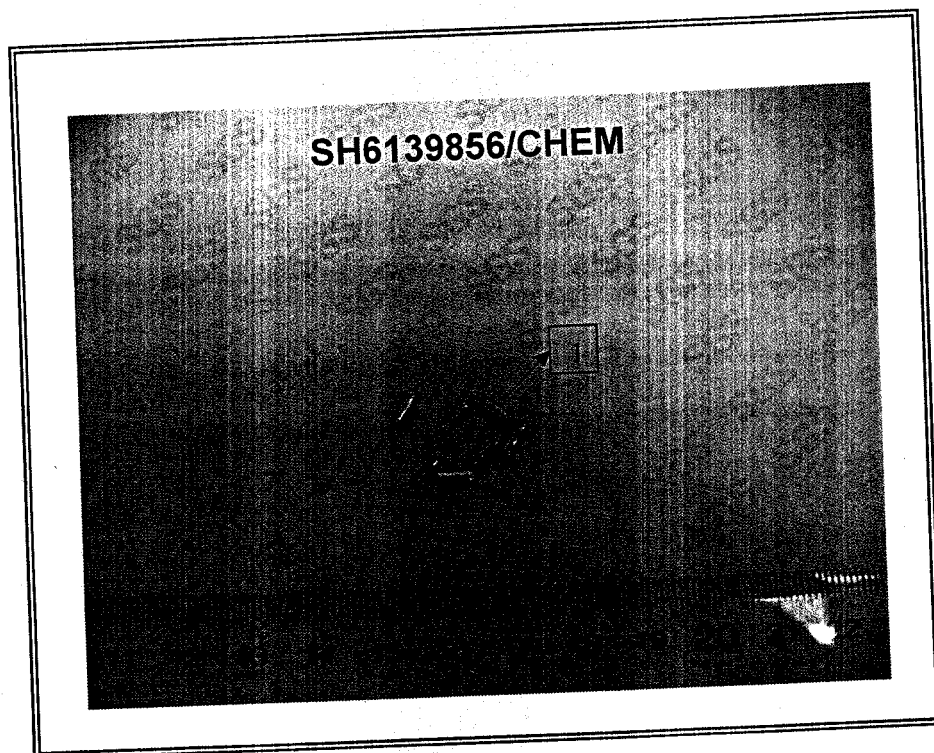
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Sample photo:



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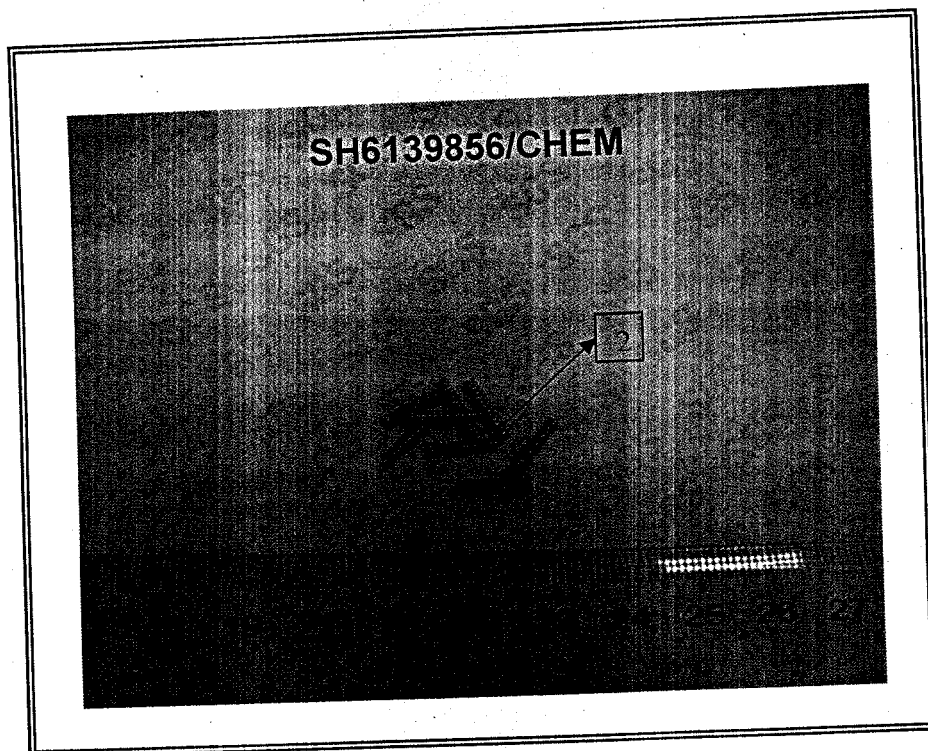
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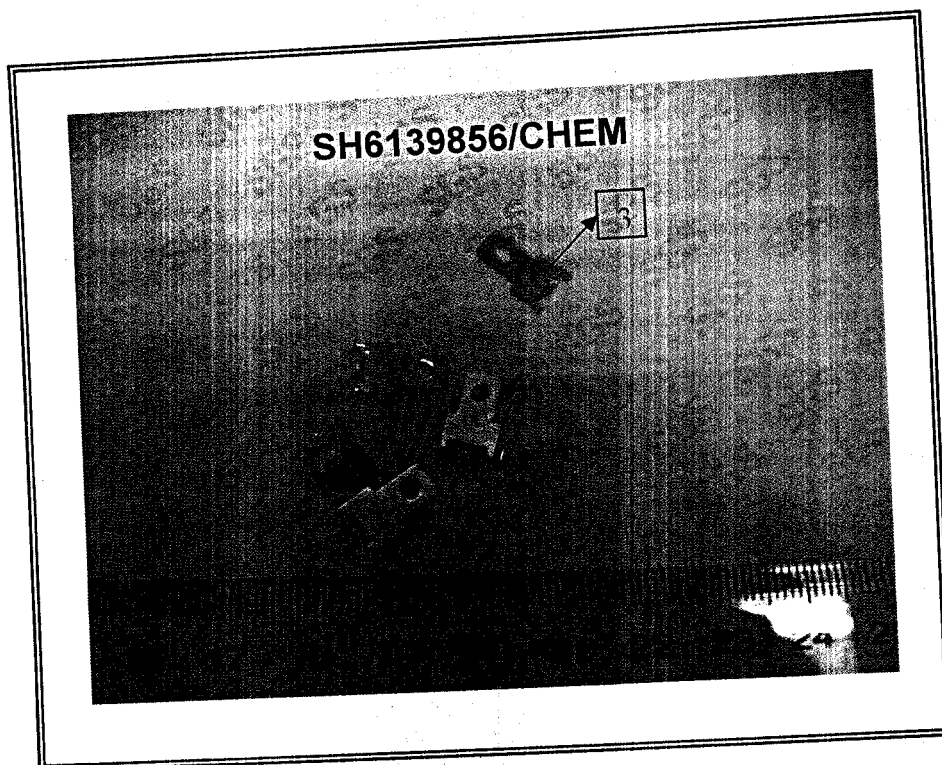
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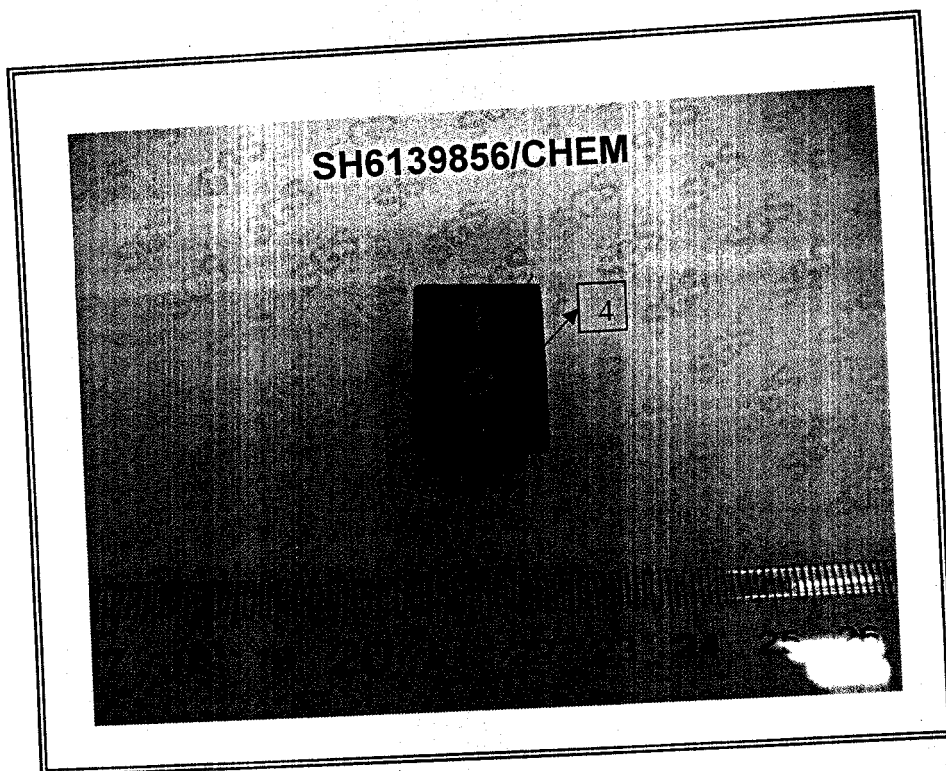
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