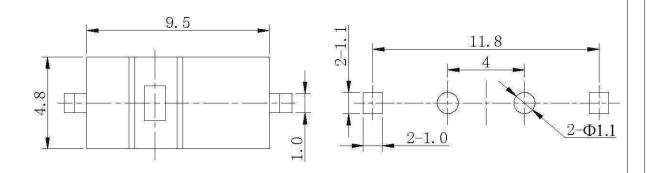
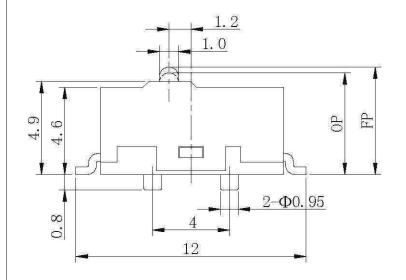
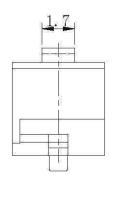
SWEETA PRODUCTS CORPORATION ROHS								
类 型	小型微动开关	品 名	SDS130-00M-70-4					
1. 功能规格		- 38	*					
1.1额定值		1.5自由位置(F	FP) $5.7 \pm 0.2 \text{mm}$					
DC48V 0.1	A/AC125V 0.1A	1.6动作位置(0	OP) 5.3±0.2mm					
1.2接触电阻(CR)	≤300mΩ(初始值)	1.7行程(PT)						
1.3操作力(OF)	50~100gf	1.8灵敏度(BT)	≤5ms					
1.4回弹力(RF)		1.9						
2. 可靠度参数	1874.h	29	95.7					
2. 1机械寿命	1,000,000 cycles	2. 5焊接工艺	手工焊,回流焊					
2.2电气寿命	1,000,000 cycles	2.6操作温度	-10° C - +60° C					
2.3绝缘电阻(IR)	≥100MΩ DC250V(初始值)	2.7储存湿度	<85%RH					
2.4耐压强度(WV)	AC250V 1 minute(初始值)	2.8						

3. 尺寸规格图







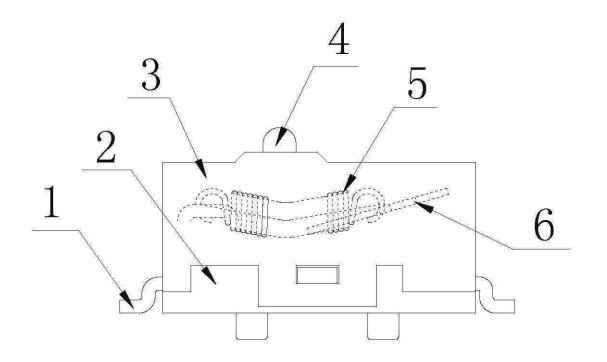
版 本	2		修订内容	8		日期	修订人
文件编号				第C	饭 第0次修订	一般公差	± 0.2
文件名称			成品规格书			单 位	mm
拟制	刘石凤	审核	董四龙	批准	吴万涛	生效日期	20071108

喜威達企業股份有限公司 SWEETA PRODI CTS CORPORATION

SERIES 系列		MICRO SWITCHES(SDS130)		Issuance date 日期:		200608	301		
Document No.文件编号		DIC/PE130-020		Edition 版本	C	-	15		
Material list	材料清单			T.					
NO.	Part Nam	ne 品名	Q'TY 数量	Generic Cla	ıss 材质	SGS No. SGS 报告编号			
1	Term 端		2	C268	0	GZ07010044	59/CHEM		
2	Bas 底		1	Nylo	n	GZ07071044	88/CHEM		
3	Case 盖 片		1	PBT		EC405726400			
(2)				PLASBLACK		EC405726800			
4	Button		Button		Ī	РВТ		EC40572	6400
63E	按	钮	· ·	COLOR POWDER		GZ0703039748/CHEM			
5	Spri 弹	1900	I	SUS3	04	GZ07030399	93/CHEM		
6	Change 切换		1	C521	0	EC40531	2300		

Structure chart:

结构示意图:



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1、General(一般特性):

1.1 Switch rating: DC48V 0.1A/AC125V 0.1A (规格: DC48V 0.1A/AC125V 0.1A)

1.2 Operating temperature range -10℃~60℃ (操作温度范围: -10℃~60℃)

2.Performance 功能参数

2.1 Electrical characteristics(电气特性)

I	tems 项目	Test conditions 测试条件	Criteria 标准
2.1.1	Contact resistance 接触电阻	Applying a static load twice the operating force to the button, measurements shall be made between the terminals. Measurement shall be made with a stabilization contact resistance meter for $2 \text{ m}\Omega$ precision under the condition which a voltage of DC5V and a current of $0.1A$ shall be applied between the terminals. 在按钮上施加两倍操作力的静负荷值,采用精度为 $2 \text{ m}\Omega$ 高稳定度线性毫欧表,在 DC5V, $0.1A$ 的条件下测量端子两端接触电阻。	Refer to individual product drawing 参考规格图纸
2.1.2	Insulation resistance 绝缘电阻	Spec. voltage (Refer to 2.3 item of spec. drawing) is applied between each pair of terminals and between the terminal and the metal frame for one minute. Measurement shall be made with a test instrument of insulation resistance under the condition voltage which a voltage of spec. is applied between the terminals. 采用绝缘电阻测试仪,分别在相互绝缘的所有端子之间及各接线端子与外露的非金属零件之间加载规格电压(参见规格图 2.3 项),持续 1 分钟测试绝缘电阻。	Refer to individual product drawing 参考规格图纸
2.1.3	Dielectric withstand in voltage 耐压强度	Spec. voltage (Refer to 2.4 item of individual product drawing) shall be applied across terminals and frame for one minute. 在端子两端之间加载规格电压 (参见规格图 2.4 项),持续时间为 1 分钟.	There shall be no breakdown 无电击穿等异常.
2.1.4	Bounce 灵敏度	Lightly striking the center of the button at a rate encountered in normal use (3 to 4 operating per sec.) bounce shall be tested at "ON" and "OFF". 以 3-4 次/秒的频率施加正常力于按钮上,操作之动作则可测出"ON"、"OFF"之功能。	5ms max

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	ent No.文件编号	DIC/PE130-020 Edition 版本 C Page J			Ti-				
Docume	Items 项目	A-MESSA-DAMA S. SOUCHARM C. SAI, CONC.	ions 测试条件		rage)		ia 标准		
3 Mech:	nems 吹 由 nnical characteristics 材		IOIIS WI MARIT		į	Citter	на футр		
3.1	Free Position 自由位置 Position of switch plunger or actuation when on external force is applied. 开关不受外力时之位置。						individual rawing 图纸		
3.2	Operating Position 动作位置	from normal to operated position adjustable actuators. 开关操动件受到外力后,由自由	Position of switch plunge or actuator at which point contacts snap from normal to operated position. Note that the case of flexible of adjustable actuators. 开关操动件受到外力后,由自由状态切换到动作状态的动作位置。 (注意防止盖片变形或按钮倾斜现象。)						
3.3	Operating Force 操作力	Placing the switch such that the vertical, and then gradually increase the maximum load for the button be measured. 置开关于垂直状态,渐增力度很	easing the load app. n to come to operat	lied to the ting positi	e button, on shall	Refer to product d 参考规格	(0.000)		
3.4	Terminal Strength 端子强度	Placing the switch such that the vertical, a static load of 1kgf M terminal in the direction of operating 五开关于垂直状态,动作端子11分钟。	ax shall be applied tion for one minute	l to the ti	p of the	There shall be no			
3.5	Button Strength 按钮强度	Placing the switch such that the vertical, a static load of lkgf Max button in the direction of button of a开关于垂直状态,直接动作为钟。	x shall be applied to operation for one m	o the cento inute.	er of the	electrically. 机械性能、电气性 能无损害现象。			
4. Solde	ring characteristics 焊	接性能							
4.1	Hand soldering 手工焊	Use a soldering iron of 30 watts 3 seconds 1 time while appl 焊接时需在30瓦烙铁,控制于 进行。	ying solder.		10000	coating shall minimum the surfimmersed (2)There no de appearance mechanic functions. (1)覆锡浸入表面上 (2)没有	shall be fects in the al		

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S	ERIES 系列	SWEETA PRODUCTS COMMICRO SWITCHES(SDS130) Issuan	ce date 日	at a consent	20060801
	ent No.文件编号	DIC/PE130-020 Edition 版	-	C	Page 页码 4/5
Items 项目		Test conditions 测试条件			Criteria 标准
4.2	Reflow soldering 回流焊	Preheating Time (sec) Components size A Temp. rise gradient 温度上升 Heating time 加热时间 Heating temperature 加热温度 Time over 220°C 超过220°C的时间 C Peak temperature 最高温度 Peak-temp. hold time 耐最高温时间 Soldering 焊接次数	使用回焊	炉进行焊 e Type)	There shall be no defects in appearance or in the mechanical functions. 没有出现任何外观和机械功能上的损伤。
5. Dura	bility characteristic: Mechanical life 机械寿命	(1) Without loading 无负载 (2) Operating speed: 120 cycles/minute 操作频率: 120 次/分钟 (3) Push force: maximum value of operating 推动力: 操作力的最大规格值的两倍 (4) Life: 1,000,000 cycles 寿命: 1,000,000 次	force twic	e	After test: (1)Contact resistance: ohm Max. (2)Insulation resistance: 10M ohm Min. (3)Bounce: 5m sec. Max. (4)Withstand voltage AC250V, 1 minute (5)Operating force: 30% of initial value (6)There shall be n
5.1	Electrical life 电气寿命	(1) Operating speed: 10 cycles/minute 操作频率: 10 次/分钟 (2) Push force: maximum value of operating fo 推动力: 操作力的最大规格值的两倍 (3) which the load of DC48V 0.1A 负载为 D Life: 1,000,000 cycles 寿命: 1,000,000 }			(6)There shall be n defects in appearance or ithe mechanical functions. 试验后: (1)接触电阻:1 欧姆以下 (2)绝缘电阻:10 兆欧好以上 (3)灵敏度:5毫秒以下 (4)耐压强度:AC250V,分钟 (5)操作力度:测试初效值30%以内 (6)没有出现任何外别和城功能上的扩伤。

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- 6. Special Requirements 特别要求
- 6.1 Hazardous Substance Management: Follow environmental requirements: Hazardous Substance,DIC/WI/G506. 危害物质管理: 遵循环境物质规范: 危害物质 DIC/WI/G506。
- 7. Marks explanation 标志说明
- 7.1 There should be trademark on case. 每个产品盖片上应有商标。
- 8. Packing explaintion 包装说明
- 8.1 1000 pcs for one bag,4 bags for one small box,6 small boxes for one big box.
 - 1000 pcs 为1袋, 4袋为1小盒, 6小盒为一箱。
- 9.Quanlity records of delivered goods 出货证明记录
- 9.1 Package boxes or package bags should be attached labels or identifiers of Model No., Quantity and Quality Pursuing No. 成品包装箱或包装袋上应附有产品型号、数量及质量追踪号的标签或标识。
- 9.2 There shall be quality records of inspection and test in package boxed.
- 出货产品包装批、出货批应附有产品检验、试验之质量证明记录。