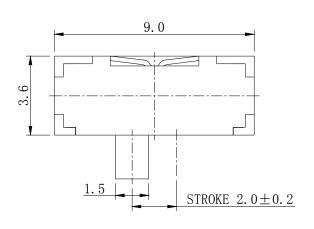
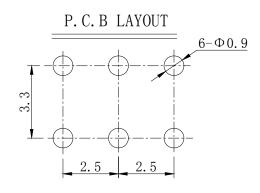
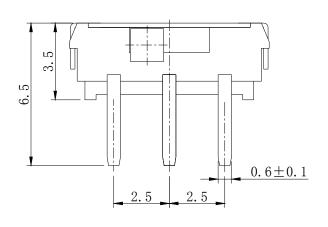
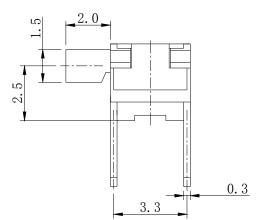
SWEETA PRODUCTS CORPORATION ROHS							
类 型		滑动开关	品名		MSL031-01P-22		
1. 功能规	各		•				
1.1额定电	压	DC6V	1.6自由位置(FP)				
1.2额定电流		0. 3A	1.7动作作	立置(OP)			
1.3接触电阻(CR)		≤70mΩ (初始值)	1.8行程(PT)		$2.0 \pm 0.2 \text{mm}$		
1.4操作力	(0F)	$250 \pm 150 \text{gf}$	1.9回弹力(RF)				
1.5灵敏度(BT)			1.10總行程(TT)				
2. 可靠度	参数						
2.1机械寿	命	10,000 cycles	2.5焊接	工艺	手工焊、波峰焊		
2.2电气寿	2. 2电气寿命 10,000 cycles 2. 6适用		2.6适用?	温度	-15°C - +65°C		
2.3绝缘电	.阻	≥100MΩ DC500V	2.7适用?	显度	<85%RH		
2.4耐压强	度	AC500V 1 minute	2.8				
	7. b=1	·	·	·			

## 3 尺寸规格图







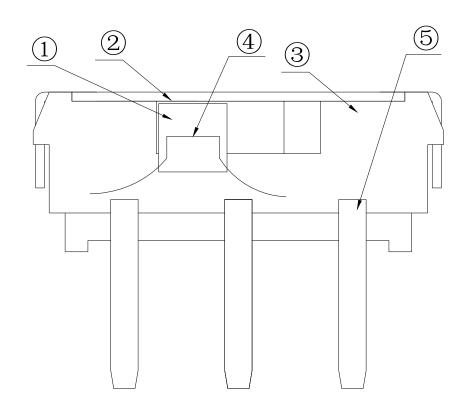


版	本			修订内容			日期	修订人
文件组	扁号				第CF	饭 第0次修订	一般公差	±0.2
文件名	呂称			成品规格书			单 位	mm
拟制		赖振通	审核	游海涛	批准	谢成祥	生效日期	20130226

SERIES 系列		SLIDE SWITCHES(MSL031)		Issuance date 日期:		20060801	
Document No.文件名称		DIC/PE031		Edition 版本	С	Page 页码	1/5
NO.	Part Name 品名		Q'TY 数量	Generic Class 材质		SGS report No. SGS 报告编号	
1	Stem 型物		1	NYLON			
2	Case 外壳		1	SUS301			
3	Base 底座		1	NYLON			
4	Spring Plate 弹片		2	C5210			
5	Terminal 端子		6	C2680			

structures chart:

结构示意图:



SERIES	系列	SLIDE SWITCHES(MSL031)	20060801				
Docume	ent No.文件名称	DIC/PE031	Edition 版本 C Page 页码			码 2/5	
1. Gene							
1.1 Swit	tch rating:	DC 6V, 0.3A (规格	: DC 6V, 0.3A)				
1.2Oper	ating temperature	range -15℃~65℃ (操作	温度范围: -15℃~6	55°C)			
1.3 Pres	ervative temperatur	e range -30℃~70℃ (储存)	温度: -30℃~70℃)				
	age humidity range	<85%RH (储存	湿度: 85%RH)				
	mance 功能参数						
2.1 Elec	trical characteristics	(电气特性)					
]	Items 项目	Test cond	itions 测试条件			Criteria 标准	
2.1.1	Contact resistance 接触电阻	esistance precision under the condition which a voltage of DC 5V and a current					
2.1.2	Insulation resistance 绝缘电阻	Spec. voltage (Refer to the 2 between each pair of terminals a frame for one minute. Measinstrument of insulation resistatis applied between the terminals 采用绝缘电阻器仪分别在相互外露的非金属零件之间加载规1分钟测试绝缘电阻值。	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 the 2.4 across terminals and frame for 在端子两端之间加载规格电压为1分钟。	There shall be no breakdown				
3.Mecha	anical characteristics	s 机械特性					
3.1	Operation force 操作力	Placing the switch such that the vertical, and then gradually income the maximum load for the stems be measured. 置开关垂直状态,渐增力度使	reasing the load app to come to operati	olied to	the stem, ion shall	Refer to individual product drawing. 参考规格图纸	

• SERIES 系列		SLIDE SWITCHES(MSL031) Issuance date 日期:			20060801	
Document No.文件名称		DIC/PE031 Edition 版本 C Pa			Page 页码 3/5	
]	Items 项目	Test co	Criteria 标准			
3.2	Terminal strength 端子强度	A static load of 500gf M terminal for 30 sec. in an 在任意一个方向的先端 30 秒。	Electrical characteristics shall			
3.3	Displacement of actuator(Knob) 柄强度	A static load of 500gf M for 15 Sec. In any directi 在型物前端任意一个方 15 秒。	al terminals. 在端子中没有裂开,松动等异			
4. solde	ring characteristics	焊接性能				
4.1	Hand soldering 手工焊	Use a soldering iron of approximately 3 seconds 焊接时需在 30 瓦烙铁,次条件下进行。	There shall be no defects in			
4.2	Wave soldering 波峰焊	When applying wave soldering, the peak temperature of the wave Oven should be set to 245℃max. 当使用低波炉进行焊接时,最高温度设置为 245℃。 ondition for soldering (Wave & Non-washable Type) Temperature Profile 焊接温度曲线图如下:  Peak 245℃ max.  Peak 245℃ max.  Peak 245℃ max.  Peak 245℃ max.  Time(sec)  Items 项目 Condition 条件 Preheating temperature 预热温度 Preheating time 预热时间 Soldering temperature 锡焊温度 Soldering temperature 锡焊温度 Continuous dipping time 连续的浸渍时间 Number of soldering 锡焊次数 2 times max. 最多2次				刊

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I	tems 项目	Test condition	Cr	Criteria 标准						
5. Durab	ility characteristic:	耐久性能								
5.1	Mechanical life 机械寿命	(1) Without loading 无负载 (2) Operating speed: 15 cycles 操作频率: 15 次/分钟 (3) Push force: maximum valu 推动力: 操作力的最大规 (4) Life: 10,000 cycles 寿命: 10,000 次	e of operating force	twice	1 ohm (2) Bounce: (3) Withsta AC500V, (4) Operati 30% of	5m sec. Max. and voltage: 1 minute				
5.2	Electrical life 电气寿命	(1) which the load of 0.3A DC	/minute e of operating force	twice	mechanical 试验后: (1)接触电 (2)灵敏度: (3)耐压强 (4)操作力 测试初	始值的 30%以内 现任何外观和机械				

- 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. Quality records of delivered goods 出货证明记录
- 7.1 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。
- 7.2 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。

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8. Application Notes: 注意事项

8. 1 All parts of the switch can not be dissolved before soldering.

开关焊接前各零件不能被熔化。

8. 2 Switches can not be blown with air gun or cleaned with a solvent after soldering.

开关焊接后不能用气枪吹干或用溶剂去清洗开关。

- 9. Incoming inspection declaring: 验收注意事项
- 9. 1 You must comply with the following principles in the process of the incoming inspecting and using our products, if not, we won't be liable for any damages from it.

我司交付贵司产品,在验收、使用进程中必须遵循以下原则,否则造成一切损失,我司概不负责。

9. 2 The requirement of the incoming inspection must meet the product's specification that have been affirmed and signed by you. If the following things appear in the process of the incoming inspection, the use is restricted, please feed back us in time, we will take back of all.

必须依据我司事先送贵司经贵司签认承认书相关规格要求验收、验收有以下情况请不予使用、退回我司。

9. 3 The products that are attached or sticked by the unqualified labels;

附有或粘贴有检验不合格标识的产品;

9. 4 In the process of the incoming inspection, he following main function parameters must be checked and they must meet the specification. If the sum of the badness rate is more than 1% in the process, the use is restricted, please feedback us in time, we will take back of all.

依承认书规格要求检验下列主要功能参数,必须符合要求,如在贵司验收过程有下述不良超过 1%,请贵司不要使用,及时知会我司并退回。

①Operating Force: (Refer to individual product drawing)

操作力: (参照规格图纸)

②Pre-travel: (Refer to individual product drawing)

行程范围: (参照规格图纸)

③Initial Contact Resistance: (Refer to individual product drawing)

初始状态接触电阻:(参照规格图纸)

4Soldering ability: 235  $\pm$  5 C/3S, the covering rate of tin is more than 90%;

可焊性(235±5℃ 3S, 覆锡率 90%以上)

⑤Function and action: the operation that the direction of switch operation is vertical with the up-surface of button isn't disabled;

功能动作:产品正压无动作失效;

9. 5 If the serious packaging disrepair of products appears in the process of the incoming inspection, please refuse accepting them and return them to us directly.

贵司在验收过程发现外包装严重破损,请不予收货,直接退还我司。

9. 6 Operating requirement: the direction of switch operating is vertical with the up-surface of button;

使用压动方向: 必须正压。

9. 7 If your incoming inspection is careless and it arose that the badness rate of your producing process is more than 1%, we won't be liable for the damage.

因贵司进料验收漏失,导致超过1%以上制程不良损失,我司不负责任。