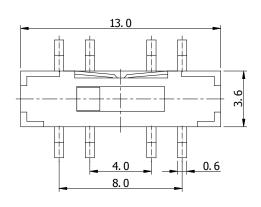
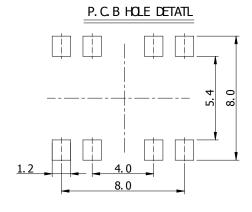
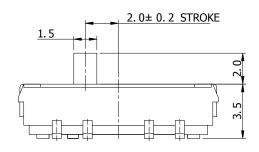
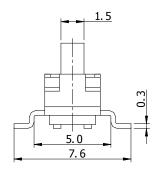
SWEETA PRODUCTS CORPORATION ROHS								
SWITCH TYPE	MODEL NO.	MS	SL031B-01M-23					
1. Functional spec.								
1.1 Rated Voltage	DC6V	1.6 Free Posi	ition					
1.2 Rated Current	0.3A	1.7 Operating	g Position					
1.3 Contact Resistance	≤70m Ω (初始値)	1.8 Position	Travel	2. 0± 0. 2mm				
1.4 Operating Force	250± 150gf	1.9 Ret urn	Force					
1.5 Bounce Time		1.10						
2.Reliable Rating								
2.1 Mechanical Life	10,000 CYCLES	2.5 Soldering Process		Hand soldering Reflow soldering				
2.2 Electrical Life	10,000 CYCLES	2.6 Shippig Temper		-25°C ~ +70°C				
2.3 Insulation Resistan	$ \geq 100 \text{M} \Omega \text{ DC} 100 \text{V}$	2.7 Ambient Humidity Used		<85% RH				
2.4 Withstand Voltage	AC500V 1 minute	2.8						

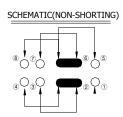
3. Dimension Drawing







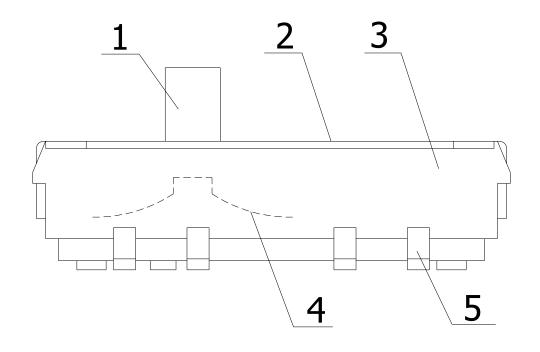




Revision	Revision Description				Date	Revisor	
Drawing	Drawing No. C/0				Tolerance	± 0.2	
Drawing Model.		SI	SPECIFICATION OF STANDARD TYPE		Unit	mm	
Prepared	epared Polly. Pang Reviewed Tony. Yang Approved Kingsel. Wu		Effective date	20100323			

SERIES		SLIDE SWITCHES (MSL031)		Issuance date:		20060801	
Document	No.	DIC	C/PE031-014	Edition	C	Page	1/3
NO.	NO. Part Name		Q'TY	Generic Class		SGS report No.	
1	Stem		1	PA6T		See SGS Report	
2	Case		1	SUS301		See SGS Report	
3	Base		1	PA6T		See SGS Report	
4	Spring P	late	2	C5210		See	SGS Report
5	Termin	al	8 C2			See	SGS Report

Structure chart:



arpura		SLIDE SWITCHES	T 1.			200,0001				
SERIES	S	(MSL031)	Issuance date:		2	20060801				
Docum	ent No.	DIC/PE031-014	Edition	C	Page	2/4				
	1. General: 1.1 Switch rating: DC 6V, 0.3A									
1.1 Swi										
1.2Ope										
1.3 Preservative temperature range -30°C~70°C										
	1.4 Storage humidity range <85%RH 2.Performance									
		··								
2.1 Elec	ctrical characteris		bak aanditiana			Cuitania				
	Items		est conditions			Criteria				
2.1.1	Contact resistance	Applying a static load to measurements shall be n Measurement shall be n for 2m Ω precision under DC 5V and a current of terminals.	Refer to individual product drawing.							
2.1.2	Insulation resistance	applied between each terminal and the metal shall be made with a test	Spec. voltage (Refer to the 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 Spec. voltage is applied between the terminals.							
2.1.3	Dielectric withstand in voltage		Spec. voltage (Refer to the 2.4 item of spec. drawing)shall be applied across terminals and frame for one minute.							
3.Mech	anical characteris	stics								
3.1	Operation force	Placing the switch such that the direction of switch operation is vertical, and then gradually increasing the load applied to the stem, the maximum load for the stem to come to operating position shall be measured.				Refer to individual product drawing.				
3.2	Terminal strength	A static load of 500gf N terminal for 30 sec. in ar	Electrical characteristics shall be satisfied without damage or excessive looseness of terminals.							

SERIES		SLIDE SWITCHES (MSL031) Issuance date:		20060801		
Document No.		DIC/PE031-014	Edition	С	Page	3/4
Items		Test con-	ditions			Criteria
3.3	Displacement of actuator(Knob)	A static load of 500gf Ma terminal for 15 Sec. In any	Electrical characteristics shall be satisfied without damage or excessive looseness of terminals.			
4. solde	ering characteristic	S			_	
4.1	Hand soldering	Use a soldering iron of 350-360°C approximately applying solder.	A new uniform coating of solder shall cover a minimum of 90% of the surface being immersed. There shall be no defects in appearance or in the mechanical functions.			
4.2	Reflow soldering	When applying reflow soldering, the peak temperature of the reflow Oven should be set to 250°C max. Condition for soldering (Reflow & Non-washable Type) Temperature Profile Peak 250°C Preheating Preheating Time(sec) Components size A Temp. rise gradient Heating time Heating time Heating temperature Time over 220°C Peak temperature Peak 250°C Unit 40S sec Heating time 60-120S sec Time over 220°C Peak temperature 250 °C Peak temperature Soldering 1 times				

SERIES		SLIDE SWITCHES (MSL031)	Issuance date:		20060801			
Docum	ent No.	DIC/PE031-014	Edition	С	Page	4/4		
5. Dura	bility characteris	tic:						
	Items	Test cond	Criteria					
		(1) Without loading(2) Operating speed: 15 cy	After test: (1)Contact resistance: 1 ohm Max. (2)Bounce: 5m sec. Max. (3)Withstand voltage: AC500V, 1 minute (4)Operating force: 30% of initial value (5)There shall be no defects in appearance or in the mechanical functions.					
5.1	Mechanical life	(3) Push force : maximum twice (4) Life: 10,000 cycles						
		(1) which the load of 0.3A						
5.2	Electrical life	(2) Operating speed: 10 cycles/minute(3) Push force: maximum value of operating force twice(4) Life: 10,000 cycles						
6. Pacl	6. Packing explaintion							
6.1 500 pcs for one bag, 8 bags for one small box, 6 small boxes for one big box.								

WI/G506。

8. Quality records of delivered goods

7. Special Requirements

8.1Package boxes or package bags should be attached labels or identifiers of Model No., Quantity and Quality Pursuing No.

7.1 Hazardous Substance Management: Follow environmental requirements: Hazardous Substance DIC/

8.2 There shall be quality records of inspection and test in package boxed.