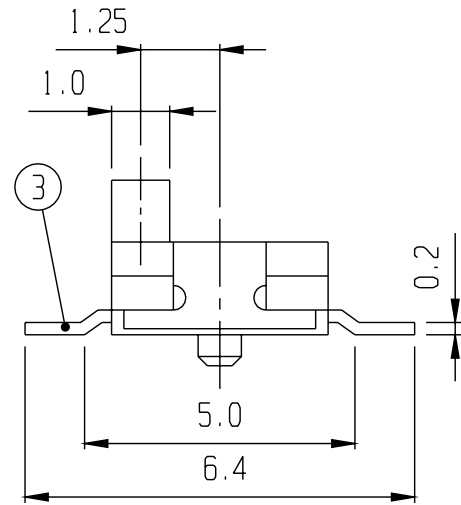
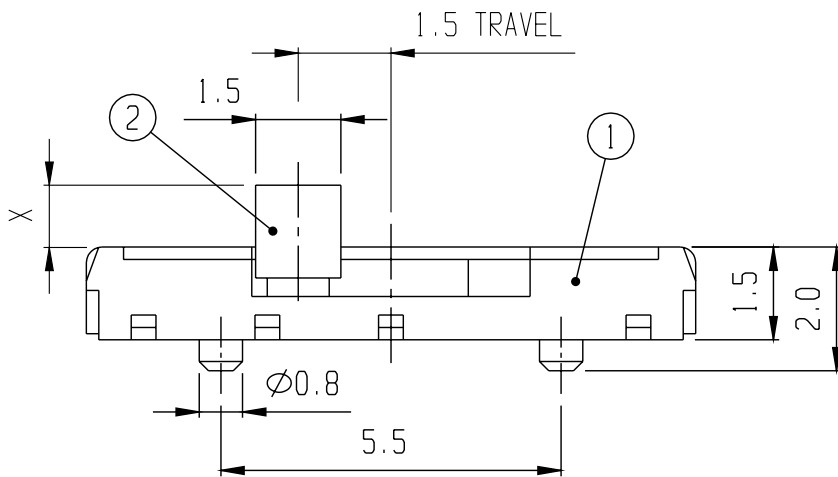

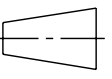


RoHS
Compliance



5	CONTACT	CuBe	2	Ag PLATED	6	SPRING PLATE	S U S	1	
3	TERMINAL	BRASS	8	Ag PLATED	4	COVER BOARD	S U S	1	
1	FRAME	NYLON 46	1		2	KNOB	NYLON 46	1	TG 1-5
NO.	PART	MATERIAL	QTY	REMARKS	NO.	PART	MATERIAL	QTY	REMARKS

ISSUED	SPECIFICATION				TITLE: MINIATURE SLIDE SWITCH (2P3T)					
	RATING: DC 12V 0.1A				MODEL NO: MSS-23C02					
	CONTACT RESISTANCE: 70mΩ max.				TOLERANCE		UNIT: MM		DWN.	<i>hro</i>
	INSULATION RESISTANCE: 100MΩ AT 500V DC				UP TO 1.0:±0.1		SCALE: 8:1		CHK'D.	<i>pu</i>
	WITHSTAND VOLTAGE: AC 100V for 1 minute				1.0 TO 10.0:±0.2		VERSION: 04		APPD.	<i>[Signature]</i>
	OPERATION FORCE: REFER ATTACH SPECIFICATION				OVER 10.0:±0.3		DRWG NO:			
	SWITCHING LIFE: 10K cycles min.									
BY:	<i>[Signature]</i>				淮 洋 有 限 公 司		TEL:886-02-82610858		 	
DATE: 24-AUG-2006	HUAI YANG CO.,LTD.				FAX:886-02-82611885					

制品規格 SPECIFICATIONS OF PRODUCTS

DOCUMENT NO. 文件編號	QI-MSS-063	ISSUED DATE 發行日期	07-MAR-2005	VERSION 版本: 1.0	PAGE 頁次: 1/3
DRAWN 制订	<i>hwo</i>	CHECKED 审核	<i>m</i>	APPROVED 批准	<i>[Signature]</i>
MODEL NO. 产品型号	MSS-23C02 ()	ITEM NAME 品 种	MINIATURE SLIDE SWITCH		

1.RATING 額定值 : DC 12V 0.1A

2.OPERATING TEMPERATURE RANGE 工作温度范围 : -10°C ~ +60°C

3.ELECTRICAL CHARACTERISTICS 電氣性能:

ITEM 項目	TEST CONDITIONS 測試條件	PERFORMANCE 性能
3.1 CONTACT RESISTANCE 接觸電阻	MEASURED AT SMALL CURRENT (10mA OR LESS) 1000Hz. 在微小電流 (10mA) 以下測試。	70mΩ Max. 70 毫歐以下
3.2 INSULATION RESISTANCE 絕緣電阻	APPLY A VOLTAGE OF 500V DC SHALL BE APPLIED FOR 1 MINUTE AFTER WHICH MEASUREMENT BE MADE: (1) BETWEEN TERMINALS. (2) BETWEEN INDIVIDUAL TERMINALS AND FRAME. 輸入 500V DC 電壓 1 分鐘, 按以下接觸方法測試: (1) 排腳相互之間。 (2) 排腳與外殼之間。	100MΩ Min. 100 兆歐以上
3.3 DIELECTRIC STRENGTH 耐電壓	AC 100V rms (50-60Hz) FOR 1 MINUTE TRIP CURRENT: 0.5 mA (1) BETWEEN TERMINALS. (2) BETWEEN INDIVIDUAL TERMINALS AND FRAME. 輸入 AC 100V (50-60Hz) 電壓, 1 分鐘感度電流為 0.5mA, 按以下接觸方法測試: (1) 排腳相互之間。 (2) 排腳與外殼之間。	WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC. 沒有絕緣破壞等異常。

4. MECHANICAL CHARACTERISTICS 機械性能:

ITEM 項目	TEST CONDITIONS 測試條件	PERFORMANCE 性能
4.1 OPERATING FORCE 作動力		A-B: 180gf±100gf B-C: 200gf±100gf C-B: 180gf±100gf B-A: 200gf±100gf
4.2 TERMINAL STRENGTH 端子強度		

制品規格 SPECIFICATIONS OF PRODUCTS

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ITEM 項目		TEST CONDITIONS 測試條件	PERFORMANCE 性能	
4.3	DISPLACEMENT OF ACTUATOR (KNOB) 柄強度			
4.4	LIFE TEST 壽命試驗	ENDURANCE WITHOUT LOADING: A SWITCH SHALL BE SUBJECTED TO 10,000 CYCLES AT A SPEED OF 15 TO 18 CYCLES PER MINUTE WITHOUT LOADING. 無負荷: 在無負荷的條件下以每分鐘錶 15~18 回的速度進行 10,000 次的測驗。	1. CONTACT RESISTANCE (接觸電阻) 200mΩ Max. 200 毫歐以下 2. INSULATION RESISTANCE (絕緣電阻) 50MΩ Min. 50 兆歐以上 3. WITHSTAND VOLTAGE (耐電壓) AC 100V 1 MINUTE AC 100V 1 分鐘 4. OPERATING FORCE (作動力) +10% ~ -30% OF INITIAL VALUE 變化範圍: 初始值+10% ~-30% 5. WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC. (測試後外表無損傷, 並且滿足機械性能)	
5. ENVIRONMENT CHARACTERISTICS 環境特性:				
ITEM 項目		TEST CONDITIONS 測試條件	PERFORMANCE 性能	
5.1	SOLDERABILITY TEST 可焊性試驗	THE TOP OF TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH OF 255±5°C FOR 3±0.5 SECOND. 端子頂部被浸入錫焊池中 2mm 深, 溫度為 255±5°C, 時間為 3±0.5 秒。	THE AREA OF SOLDERING SHOULD BE OVER 75%. 焊接面積要有 75%以上。	
5.2	RESISTANCE TO SOLDERING HEAT TEST 耐焊性試驗	SOLDER BATH METHOD: SOLDER TEMPERATURE 260±5°C IMMERSION TIME WITHIN 10SEC. IMMERSION DEPTH UP TO THE SURFACE OF THE BOARD 0.8mm DIMENSIONS OF COMPONENT HOLES IN THE PRINTED WIRING BOARD SHALL BEING ACCORDANCE WITH THOSE SPECIFIED IN THIS SPECIFICATION. 焊爐焊接的時候溫度控制在 260±5°C, 過爐時間 10 秒以內, 於 (基板) 厚度為 0.8mm。 SOLDER IRON METHOD: TEMPERATURE OF SOLDER 350±10°C TIME OF SOLDER 3±0.5 SEC. 手工焊接時溫度 350±10°C, 時間 3±0.5 秒	WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TERMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 本體無變形, 能滿足於機械、電氣性能。	

制品规格 SPECIFICATIONS OF PRODUCTS

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ITEM	項目	TEST CONDITIONS	測試條件	PERFORMANCE	性能
5.3	COLD TEST 耐冷試驗	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $-25\pm 3^{\circ}\text{C}$ FOR 48 HOURS, THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在溫度 $-25\pm 3^{\circ}\text{C}$ 中 48 小時後，再放置常溫常濕中 1 小時來進行測試。		THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. 外觀無異常，滿足於機械、電氣性能。	
5.4	HEAT TEST 耐熱試驗	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $70\pm 2^{\circ}\text{C}$ FOR 48 HOURS, THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在溫度 $70\pm 2^{\circ}\text{C}$ 中測試 48 小時後，再放置正常室溫中 1 小時來測定。			
5.5	HUMIDITY TEST 潮濕試驗	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $40\pm 2^{\circ}\text{C}$ AND A HUMIDITY OF 90% TO 95% FOR 48 HOURS, THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置 $40\pm 2^{\circ}\text{C}$ 的相對濕度為 90%~ 95% 環境中 48 小時後，再將樣板放在正常環境 1 小時後進行測試。			THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. 外觀無異常，滿足於機械、電氣性能。

6. Test condition (UNLESS OTHERWISE SPECIFIED)

测试条件 (特别指定情况除外) Temperature 温度: $5^{\circ}\text{C} - 35^{\circ}\text{C}$;
 Humidity 湿度: 45% - 85% R.H;
 Pressure 气压: 86 - 106kPa

7. Construction 产品结构: Shape and dimensions subject to attached chart regulation
 另附图纸说明外形及尺寸规格

8. Amendment 修改 (规则)

When the amendment of this specification comes into necessity, it shall be made by mutual consultation and agreement between manufacturer and customer.

当指定的这些 (规则) 必须要修改时，则通过本制造商和客户相互协商来实施。