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| SHENZHEN XIEJIA ELECTRONICS CO., LTD.<br>深圳市协佳电子有限公司 |   | 文件编号<br>发布日期  | XJ-SP-0286<br>2003年12月5日   |
| SPECIFICATION 规格书                                    |   | 第A版   | 第1页 共3页  |
| MODEL NO.<br>产品名称. SS-22J03                          |   |   |  |
| DRAWN 制订   |   | APPD. 审批  |  |
| 1. RATING (额定值) : AC 250V 1.5A                       |   |   |  |
| 2. FUNCTION (接触型式) : 2P2T                            |   |   |  |
| 3. TIMING (时间特性) : NON-SHORTING                      |   |   |  |
| 4. ELECTRICAL CHARACTERISTICS (电气性能规格):              |   |   |  |
| ITEM 项目  |   | TEST CONDITIONS 测试条件  | PERFORMANCE 规格   |
| 4.1  | CONTACT RESISTANCE<br>接触电阻              | MEASURED AT 1KHz SMALL CURRENT(100 mA OR LESS)<br>在1KHz 微小电流(100mA) 以下测试.   | 30mΩ MAX.<br>30 毫欧以下.  |
| 4.2  | INSULATION RESISTANCE<br>绝缘电阻           | APPLY A VOLTAGE OF 500V DC SHALL BE APPLIED FOR 1 MIN AFTER WHICH MEASUREMENT BE MADE:<br>(1) BETWEEN TERMINALS.<br>(2) BETWEEN INDIVIDUAL TERMINALS AND FRAME.<br>输入 500V DC 电压 1 分钟,按以下接触方法测试:<br>(1) 排脚相互之间.<br>(2) 排脚与外壳之间. | 100MΩ MIN.<br>100 兆欧以上.  |
| 4.3  | DIELECTRIC STRENGTH<br>耐电压              | AC 500V rms(50-60Hz)FOR 1 MIN TRIP CURRENT:0.5 mA<br>(1) BETWEEN TERMINALS.<br>(2) BETWEEN INDIVIDUAL TERMINALS AND FRAME.<br>输入 AC 500V(50-60Hz)电压,1 分钟感度电流为 0.5mA,按以下接触方法测试:<br>(1) 排脚相互之间.<br>(2) 排脚与外壳之间.                   | WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN, ETC.<br>没有绝缘破坏等异常.  |
| 5 .MECHANICAL CHARACTERISTICS (机械性能规格)               |   |   |  |
| ITEM 项目  |   | TEST CONDITIONS 测试条件  | PERFORMANCE 规格   |
| 5.1  | OPERATING FORCE<br>作动力                  | MEASUREMENT SHALL BE MADE AT THE NEAREST POINT OF THE COMPONENT OR AT THE POINT 3mm FROM THE TIP OF THE ACTUATOR (KNOB).<br>在距离胶柄前端 3mm 作测定点 .  | 400gf±100gf  |
| 5.2  | TERMINAL STRENGTH<br>端子强度               | A STATIC LOAD OF 500gf SHALL BE APPLIED TO THE TERMINAL FOR 15 SEC.IN ANY DIRECTION<br>在排脚前端任意一个方向加 500gf 力度测试,时间为 15 秒.  | ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED WITHOUT DAMAGE OR EXCESSIVE LOOSENESS OF TERMINALS.<br>在排脚中没有裂开.松动等异常, 满足于机械、电器性能. |
| 5.3  | DISPLACEMENT OF ACTUATOR (KNOB)<br>柄 强度 | A STATIC LOAD OF 10 N(1Kgf)SHALL BE APPLIED TO THE TOP OF THE ACTUATOR(KNOD) AND THEN DISPLACEMENT SHALL BE MEASURED TO THE DIRECTION OF THE ARROW.<br>在柄的前端施加 1Kgf 的力度,位移应沿印记的方向上定.  | THE LEVER SHALL HAVE NO SERIOUS DEFORMATION AND FUNCTION IS NORMALLY .<br>柄部无严重变形,可以正常工作.  |

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6. ENDURANCE CHARACTERISTICS (耐久性):

| ITEM 项目   | TEST CONDITIONS 测试条件  | PERFORMANCE 规格  |                       |               |                     |       |     |                        |        |     |   |
|---|---|---|-----------------------|---------------|---------------------|-------|-----|------------------------|--------|-----|---|
| 6.1<br>LIFE TEST<br>寿命试验                          | <p>ENDURANCE WITHOUT LOADING:<br/>A SWITCH SHALL BE SUBJECTED TO 10,000 CYCLES AT A SPEED OF 15 TO 18 CYCLES PER MINUTE WITHOUT LOADING.<br/>无负荷:<br/>在无负荷的条件下以每分钟15~18回的速度进行10,000次的测试。</p>  | <p>(1) CONTACT RESISTANCE (接触电阻)<br/>100mΩ MAX. 100毫欧以下。<br/>(2) INSULATION RESISTANCE (绝缘电阻)<br/>50MΩ MIN. 50兆欧以上。<br/>(3) WITHSTAND VOLTAGE (耐电压)<br/>AC 500V, 1 MINUTE. AC 500V 1分钟。<br/>(4) OPERATING FORCE (作动力)<br/>±30% INITIAL VALUE.<br/>变化范围初始值±30%。<br/>(5) WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC.<br/>(测试后外表无损伤,并且满足机械性能)</p> |                       |               |                     |       |     |                        |        |     |   |
| 6.2<br>SOLDERABILITY TEST<br>可焊性试验                | <p>THE TOP OF THE TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH OF 230±5°C FOR 3±0.5 SECONDS.<br/>端子顶部被浸入锡焊池中2mm深,温度为230±5°C,时间为3±0.5秒。</p>  | <p>THE AREA OF SOLDERING SHOULD BE OVER 75%.<br/>焊接面积要有75%以上。</p>   |                       |               |                     |       |     |                        |        |     |   |
| 6.3<br>RESISTANCE TO SOLDERING HEAT TEST<br>耐焊性试验 | <p>(1) . TEMPERATURE AND IMMERSING TIME<br/>温度及浸锡时间</p> <table border="1"> <thead> <tr> <th></th> <th>TEMPERATURE<br/>温度(°C)</th> <th>TIME<br/>时间(s)</th> </tr> </thead> <tbody> <tr> <td>DIP SOLDERING<br/>浸锡</td> <td>260±5</td> <td>3±1</td> </tr> <tr> <td>MANUAL SOLDERING<br/>手焊</td> <td>360±10</td> <td>3±1</td> </tr> </tbody> </table> <p>(2) .IMMERSION DEPTH:<br/>IMMERSION DEPTH UP TO THE SURFACE OF THE BOARD<br/>THICKNESS OF PRINTED WIRING BOARD 1.6mm<br/>浸锡深度:<br/>浸锡深度至基板(PCB)表面,基板厚度为1.6mm.</p> |   | TEMPERATURE<br>温度(°C) | TIME<br>时间(s) | DIP SOLDERING<br>浸锡 | 260±5 | 3±1 | MANUAL SOLDERING<br>手焊 | 360±10 | 3±1 | <p>WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TEMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED.<br/>本体无变形,能满足于机械、电器性能。</p> |
|   | TEMPERATURE<br>温度(°C)   | TIME<br>时间(s)   |                       |               |                     |       |     |                        |        |     |   |
| DIP SOLDERING<br>浸锡                               | 260±5   | 3±1   |                       |               |                     |       |     |                        |        |     |   |
| MANUAL SOLDERING<br>手焊                            | 360±10  | 3±1   |                       |               |                     |       |     |                        |        |     |   |
| 6.4<br>COLD TEST<br>耐冷试验                          | <p>THE SWITCH SHALL BE STORED AT A TEMPERATURE OF -25±3°C FOR 48 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.<br/>放置在温度-25±3°C中48小时后,再放置常温常湿中1小时来进行测试。</p>   | <p>THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART.<br/>外观无异常,满足于机械、电器性能。</p>  |                       |               |                     |       |     |                        |        |     |   |

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| 6.5                                   | HEAT TEST<br>耐热试验                         | <p>THE SWITCH SHALL BE STORED AT A TEMPERATURE OF <math>70\pm 2^{\circ}\text{C}</math> FOR 48 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.</p> <p>放置在温度 <math>70\pm 2^{\circ}\text{C}</math> 中测试 48 小时后,再放置正常室温中 1 小时来测定.</p>  | <p>THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART.</p> <p>外观无异常,满足于机械、电器性能。</p> |
| 6.6                                   | HUMIDITY TEST<br>潮湿试验                     | <p>THE SWITCH SHALL BE STORED AT A TEMPERATURE OF <math>40\pm 2^{\circ}\text{C}</math> AND A HUMIDITY OF 90% TO 95% FOR 96 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.</p> <p>放置 <math>40\pm 2^{\circ}\text{C}</math> 的相对湿度为 90%~95% 环境中 96 小时后,再将样版放在正常环境 1 小时后进行测试.</p>  |   |
| 6.7                                   | STANDARD ATMOSPHERIC CONDITIONS<br>测试标准状态 | <p>UNLESS OTHERWISE SPECIFIED. THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS:</p> <p>(1) AMBIENT TEMPERATURE : <math>5^{\circ}\text{C}</math> TO <math>35^{\circ}\text{C}</math><br/> (2) RELATIVE HUMIDITY : 45% TO 85%<br/> (3) AIR PRESSURE : 86Kpa TO 106Kpa</p> <p>在没有指定的情况下测试温度、湿度、气压如下:</p> <p>(1) 温度为 <math>5\sim 35^{\circ}\text{C}</math>.<br/> (2) 湿度为 45%~85%.<br/> (3) 气压为 86Kpa~106Kpa.</p> |   |
| 6.8                                   | PRACTICAL TEMPERATURE RANGE<br>使用温度范围     | <p><math>-16^{\circ}\text{C}\sim +60^{\circ}\text{C}</math>.</p> <p>在 <math>-16^{\circ}\text{C}\sim +60^{\circ}\text{C}</math> 内使用.</p>   |   |