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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-7303<br>2005年9月8日  |
| SPECIFICATION 规格书                                    |   | 第 A 版   | 第 1 页 共 3 页  |
| MODEL NO.<br>产品名称 . HS-22L10                         |   |   |  |
| DRAWN 制订   |   | APPD. 审批  |  |
| 1. RATING (额定值)                                      |   | : DC 50V 0.2A   |  |
| 2. FUNCTION (接触型号)                                   |   | : 2P2T  |  |
| 3. TIMING (时间特性)                                     |   |   |  |
| 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.  | 200 mΩ MAX.<br>200 毫欧以下。   |
| 4.2  | INSULATION RESISTANCE<br>绝缘电阻             | APPLY A VOLTAGE OF 500V DC FOR 1 MIN. TO FOLLOWING PORTIONS AFTER WHICH MEASUREMENT SHALL BE MADE:<br>(1) BETWEEN BODY AND CONDUCTOR<br>(2) BETWEEN CONDUCTORS NOT TO BE CONTACT<br>输入 500V DC 电压 1 分钟,按以下接触方法测试:<br>(1) 接触端子之间.<br>(2) 胶座体与排脚之间.   | 100 MΩ 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) 接触端子之间.<br>(2) 插座体与端子之间.  | WITHOUT DAMAGE SUCH AS INSULATION BREAKDOWN.<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                    |   | 90gf±30gf  |
| 5.2  | TERMINAL STRENGTH<br>端子强度                 | A STATIC LOAD OF (500 gf) SHALL BE APPLIED TO THE TIP OF THE TERMINAL FOR 1 MIN. IN ANY DIRECTION.<br>在任意一个方向的先端上加力度(500 gf)1 分钟.   | 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  | STANDARD ATMOSPHERIC CONDITIONS<br>测试标准状态 | UNLESS OTHERWISE SPECIFIED. THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS:<br>(1) AMBIENT TEMPERATURE: 5°C TO 35°C<br>(2) RELATIVE HUMIDITY : 45% TO 85%<br>(3) AIR PRESSURE : 80Kpa TO 106Kpa<br>在没有指定的情况下测试温度、湿度、气压如下:<br>(1) 温度为 5~35°C<br>(2) 湿度为 45%~85%<br>(3) 气压为 80Kpa~106Kpa |  |

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| 5.4   | PRACTICAL TEMPERATURE RANGE<br>使用温度范围      | -16°C~+60°C.<br>在-16°C~+60°C温度内使用.   |  |
| 6. ENDURANCE CHARACTERISTICS (耐久性):                 |  |  |  |
|   | ITEM 项目                                    | TEST CONDITIONS 测试条件   | PERFORMANCE 规格   |
| 6.1   | SOLDERABILITY TEST<br>可焊性试验                | 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.  | THE AREA OF SOLDERING SHOULD BE OVER 75%<br>焊接面积要有 75%以上.  |
| 6.2   | RESISTANCE TO SOLDERING HEAT TEST<br>耐焊性试验 | SOLDER BATH METHOD:<br>SOLDER TEMPERATURE 260±5°C IMMERSION TIME 3±0.5 SEC IMMERSION DEPTH UP TO THE SURFACE OF THE BOARD THICKNESS OF PRINTED WIRING BOARD 1 mm DIMENSIONS OF COMPONENT HOLES IN THE PRINTED WIRING BOARD SHALL BEING ACCORDANCE WITH THOSE SPECIFIED IN THIS SPECIFICATION.<br>焊炉焊接的时候温度控制在 260±5°C, 过炉时间为 3±0.5 秒, 于基板厚度为 1.0mm | THERE SHALL BE NO DEFORMATION OF THE SWITCH. MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED.<br>本体无变形, 满足于机械、电气性能.                       |
| 6.3   | LIFE TEST<br>寿命试验                          | WITHOUT LOAD:<br>AN ACTUATOR SHALL BE SUBJECT TO 100,000 CYCLES AT A SPEED OF 60 CYCLES FOR 1 MIN.<br>无负荷:<br>操作者以每分钟 60 次的频率作 100,000 回之无负荷测试.  | (1) CONTACT RESISTANCE SHALL BE 1Ω MAX.<br>(2) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED.<br>(1) 接触电阻不能超于 1Ω.<br>(2) 其它、满足于机械、电器性能. |

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| 6.4  | COLD TEST<br>耐冷试验     | THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $-25\pm 3^{\circ}\text{C}$ FOR 96 HOURS AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.<br>放置在温度 $-25\pm 3^{\circ}\text{C}$ 中 96 小时后,再放置常温常湿中 1 小时来测定。   | THERE SHALL BE NO DAMAGE ON APPEARANCE.<br>MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED.<br>外观无异常, 满足于机械, 电器性能。 |
| 6.5  | HEAT TEST<br>耐热试验     | THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $85\pm 2^{\circ}\text{C}$ FOR 96 HOURS. AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.<br>放置在温度 $85\pm 2^{\circ}\text{C}$ 中测试 96 小时后,再放置正常室温中 1 小时来测定。  |   |
| 6.6  | HUMIDITY TEST<br>潮湿试验 | THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $40\pm 2^{\circ}\text{C}$ 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.<br>放置 $40\pm 2^{\circ}\text{C}$ 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。 |   |