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| SHENZHEN XIEJIA ELECTRONICS CO., LTD. 深圳市协佳电子有限公司 | | 文件编号 | XJ-SP-8702 |
| SPECIFICATION 规格书 | | 发布日期 | 2002年6月8日 |
| | | 第A版 | 第1页 共3页 |
| MODEL NO. 产品名称. CDR-3302 | | | |
| DRAWN 制订 | | APPD. 审批 | |
| 1. RATING (额定值) : DC 12V 100mA | | | |
| 2. ELECTRICAL CHARACTERISTICS (电气性能规格): | | | |
| ITEM 项目 | TEST CONDITIONS 测试条件 | | PERFORMANCE 规格 |
| 2.1 | CONTACT RESISTANCE 接触电阻 | MEASURED AT 1000Hz SMALL CURRENT(100 mA OR LESS) 在1000Hz 微小电流(100mA) 以下测试. | 100mΩ MAX. 100 毫欧以下。 |
| 2.2 | INSULATION RESISTANCE 绝缘电阻 | APPLY A VOLTAGE OF 100V DC SHALL BE APPLIED FOR 1 MIN AFTER WHICH MEASUREMENT BE MADE: (1) BETWEEN TERMINALS. (2) BETWEEN INDIVIDUAL TERMINALS AND FRAME. 输入100V DC 电压1分钟,按以下接触方法测试: (1) 排脚相互之间。 (2) 排脚与外壳之间。 | 100MΩ MIN. 100 兆欧以上。 |
| 2.3 | DIELECTRIC STRENGTH 耐电压 | AC 250V rms(50-60Hz)FOR 1 MIN TRIP CURRENT:2 mA (1) BETWEEN TERMINALS. (2) BETWEEN INDIVIDUAL TERMINALS AND FRAME. 输入250V AC (50-60Hz)电压,1分钟感度电流为2mA, 按以下接触方法测试: (1) 排脚相互之间。 (2) 排脚与外壳之间。 | WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN, ETC. 没有绝缘破坏等异常。 |
| 3 .MECHANICAL CHARACTERISTICS (机械性能规格) | | | |
| ITEM 项目 | TEST CONDITIONS 测试条件 | | PERFORMANCE 规格 |
| 3.1 | OPERATING FORCE 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). 在距离胶柄前端 3mm 作测定点。 | 70gf 以下 |
| 3.2 | TERMINAL STRENGTH 端子强度 | A STATIC LOAD OF 300gf SHALL BE APPLIED TO THE TERMINAL FOR 1 MIN. IN ANY DIRECTION 在排脚前端任意一个方向加300gf 力度测试, 时间为1分钟。 | ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED WITHOUT DAMAGE OR EXCESSIVE LOOSENESS OF TERMINALS. 在排脚中没有裂开、松动等异常, 满足于机械、电器性能。 |
| 3.3 | DISPLACEMENT OF ACTUATOR (KNOB) 柄 强度 | A STATIC LOAD OF 5 N(500 gf) SHALL BE APPLIED TO THE TOP OF THE ACTUATOR(KNOD) AND THEN DISPLACEMENT SHALL BE MEASURED TO THE DIRECTION OF THE ARROW. 在柄的前端施加500gf 的力度, 位移应沿印记的方向上测定。 | THE LEVER SHALL HAVE NO SERIOUS DEFORMATION AND FUNCTION IS NORMALLY . 柄部无严重变形, 可以正常工作。 |

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4. ENDURANCE CHARACTERISTICS (耐久性):

| ITEM 项目 | TEST CONDITIONS 测试条件 | PERFORMANCE 规格 | | | | | | | | | | | | |
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| 4.1 LIFE TEST 寿命试验 | <p>ENDURANCE WITHOUT LOAD: A SWITCH SHALL BE SUBJECTED TO 50,000 CYCLES AT A SPEED OF 15 TO 20 CYCLES PER MINUTE WITHOUT LOAD. 无负荷: 在无负荷的条件下以每分钟15~20回的速度进行50,000次的测试。</p> | <p>(1) CONTACT RESISTANCE (接触电阻) 300mΩ MAX. 300毫欧以下。 (2) INSULATION RESISTANCE(绝缘电阻) 50MΩ MIN. 50兆欧以上。 (3) WITHSTAND VOLTAGE(耐电压) AC 500V,1 MINUTE.AC 500V 1分钟。 (4) OPERATING FORCE(作动力) ±30% INITIAL VALUE. 变化范围初始值±30%。 (5) WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC. (测试后外表无损伤,并且满足机械性能)</p> | | | | | | | | | | | | |
| 4.2 SOLDERABILITY TEST 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. 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%. 焊接面积要有75%以上。</p> | | | | | | | | | | | | |
| 4.3 RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验 | <table border="1"> <tr> <td colspan="3">(1). TEMPERATURE AND IMMERSING TIME 温度及浸锡时间</td> </tr> <tr> <td></td> <td>TEMPERATURE 温度(°C)</td> <td>TIME 时间(s)</td> </tr> <tr> <td>DIP SOLDERING 浸锡</td> <td>260±5</td> <td>3±1</td> </tr> <tr> <td>MANUALSOLDERING 手焊</td> <td>360±10</td> <td>3±1</td> </tr> </table> <p>(2).IMMERSION DEPTH: IMMERSION DEPTH UP TO THE SURFACE OF THE BOARD THICKNESS OF PRINTED WIRING BOARD 1.6mm 浸锡深度: 浸锡深度至基板(PCB)表面,基板厚度为1.6mm.</p> | (1). TEMPERATURE AND IMMERSING TIME 温度及浸锡时间 | | | | TEMPERATURE 温度(°C) | TIME 时间(s) | DIP SOLDERING 浸锡 | 260±5 | 3±1 | MANUALSOLDERING 手焊 | 360±10 | 3±1 | <p>WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TEMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 本体无变形,能满足于机械、电器性能。</p> |
| (1). TEMPERATURE AND IMMERSING TIME 温度及浸锡时间 | | | | | | | | | | | | | | |
| | TEMPERATURE 温度(°C) | TIME 时间(s) | | | | | | | | | | | | |
| DIP SOLDERING 浸锡 | 260±5 | 3±1 | | | | | | | | | | | | |
| MANUALSOLDERING 手焊 | 360±10 | 3±1 | | | | | | | | | | | | |
| 4.4 COLD TEST 耐冷试验 | <p>THE SWITCH SHALL BE STORED AT A TEMPERATURE OF -25±3°C FOR 96 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE WETHIN 1 HOUR. 放置在温度-25±3°C中96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. 外观无异常,满足于机械、电器性能。</p> | | | | | | | | | | | | |

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| 4.5 | HEAT TEST 耐热试验 | <p>THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 70±2°C FOR 96 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 70±2°C 中测试 96 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> |
| 4.6 | HUMIDITY TEST 潮湿试验 | <p>THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 40±2°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 WITHIN 1 HOUR.</p> <p>放置 40±2°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.</p> | |
| 4.7 | STANDARD ATMOSPHERIC CONDITIONS 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 : 5°C TO 35°C (2) RELATIVE HUMIDITY : 45% TO 85% (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 5~35°C. (2) 湿度为 45%~85%. (3) 气压为 86Kpa~106Kpa.</p> | |
| 4.8 | PRACTICAL TEMPERATURE RANGE 使用温度范围 | <p>-16°C~+60°C.</p> <p>在-16°C~+60°C内使用.</p> | |