

SHENZHEN XIEJIA ELECTRONICS CO.,LTD.	文件编号	XJ-SP-0445
深圳市协佳电子有限公司	发布日期	2007年11月12日
SPECIFICATION 规格书	第B版	第2页共3页

6. ENDURANCE CHARACTERISTICS (耐久性):

ITEM 项目	TEST CONDITIONS 测试条件	PERFORMANCE 规格										
6.1 LIFE TEST 寿命试验	<p>ENDURANCE WITHOUT LOADING: A SWITCH SHALL BE SUBJECTED TO 10,000 CYCLES AT A SPEED OF 15 TO 18 CYCLES PER MINUTE WITHOUT LOADING. 无负荷: 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) 100mΩ MAX. 100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>										
6.2 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>										
6.3 RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验	(1). TEMPERATURE AND IMMERSING TIME 温度及浸锡时间	<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>										
			<table border="1"> <thead> <tr> <th></th> <th>TEMPERATURE 温度(°C)</th> <th>TIME 时间(s)</th> </tr> </thead> <tbody> <tr> <td>DIP SOLDERING 浸锡</td> <td>260±5</td> <td>3±1</td> </tr> <tr> <td>MANUAL SOLDERING 手焊</td> <td>360±10</td> <td>3±1</td> </tr> </tbody> </table>		TEMPERATURE 温度(°C)	TIME 时间(s)	DIP SOLDERING 浸锡	260±5	3±1	MANUAL SOLDERING 手焊	360±10	3±1
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DIP SOLDERING 浸锡	260±5	3±1										
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(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。												
6.4 COLD TEST 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. 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. 外观无异常,满足于机械、电器性能。</p>										

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6.5	HEAT TEST 耐热试验	<p>THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 70±2°C 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 70±2°C 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 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 MADE.</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>	
6.7	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>	
6.8	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>	