SHENZHEN XIEJIA ELECTRONICS CO.,LTD. 深 圳 市 协 佳 电 子 有 限 公 司	文件编号	XJ-SP-7105
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SPECIFICATION 规格书	第 B 版	第 1 页 共 3 页

MODEL NO.
产 品 名 称 . LF-011

DRAWN 制订		APPD. 审 批	

1. RATING (额 定 值) : DC 16V 1.5A

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 1K Hz SMALL CURRENT(100 mA OR LESS) 在 1KHz 微小电流(100mA) 以下测试.	30mΩ MAX. 30 毫欧以下。
2.2	INSULATION RESISTANCE 绝缘电阻	APPLY A VOLTAGE OF 500V DC FOR 1 MIN. TO FOLLOWING PORTIONS AFTER WHICH MEASUREMENT SHALL BE MADE: (1) BETWEEN BODY AND CONDUCTOR (2) BETWEEN CONDUCTORS NOT TO BE CONTACT 输入 500V 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 500V rms(50-60Hz)FOR 1 MIN TRIP CURRENT:0.5 mA (1) BETWEEN TERMINALS. (2) BETWEEN INDIVDUAL TERMINALS AND FRAME. 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: (1) 排脚相互之间. (2) 排脚与外壳之间.	WITHOUT DAMAGE SUCH AS INSULATION BREAKDOWN. 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		30gf Max
3.2	TERMINAL STRENGTH 端子强度	A STATIC LOAD OF (300 gf) SHALL BE APPLIED TO THE TIP OF THE TERMINAL FOR 1 MIN. IN ANY DIRECTION. 在任意一个方向的先端上加力度(300 gf)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	STANDARD ATMOSPHEIC CONDITIONS 测试标准状态	UNLESS OTHERWISE SPECIFIED. THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS: (1) AMBIENT TEMPERATURE: 5℃ TO 35℃ (2) RELATIVE HUMIDITY : 45% TO 85% (3) AIR PRESSURE : 80Kpa TO 106Kpa 在没有指定的情况下测试温度、湿度、气压如下: (1) 温度为 5~35℃ (2) 湿度为 45%~85% (3) 气压为 86Kpa~106Kpa	

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3.4	PRACTICAL TEMPERATURE RANGE 使用温度范围	-16℃~+60℃. 在-16℃~+60℃温度内使用.	

4. ENDURANCE CHARACTERISTICS (耐久性):

ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格
4.1	SOLDERA-BILITY TEST 可焊性试验	THE TOP OF THE TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH OF 230±5℃ FOR 3±0.5 SECONDS. 端子顶部被浸入锡焊池中 2mm 深，温度为 230±5℃，时间为 3±0.5 秒.	THE AREA OF SOLDERING SHOULD BE OVER 75% 焊接面积要有 75%以上.
4.2	RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验	(1).TEMPERATURE AND IMMERSING TIME 温度及浸锡时间 (2) IMMERSION DERTH; IMMERSION DEPTH UP TO THESURFACE OF THE BORD THICKNESS OF PRIN TED WIRNG BOARD 1.6MM 浸锡深度: 浸锡深度至基扳(PCB)表面,基扳厚度为 1.6MM	THERE SHALL BE NO DEFORMATION OF THE SWITCH. MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 本体无变形,满足于机械、电气性能。
4.3	LIFE TEST 寿命试验	WITHOUT LOAD: AN ACTUATOR SHALL BE SUBJECT TO 100,000 CYCLES AT A SPEED OF 60 CYCLES FOR 1 MIN. 无负荷: 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 200mΩ MAX. (2) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. (1) 接触电阻不能超于 200mΩ (2) 其它、满足于机械、电器性能

	TEMPERATURE 温度(℃)	TIME 时间(S)
DIPSOCDERING 浸锡	260±5	3±1
MANUAL SOLDERING 手焊	360±10	3±1

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4.4	COLD TEST 耐冷试验	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF –25±3℃ FOR 96 HOURS AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在温度–25±3℃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. MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 外观无异常, 满足于机械,电器性能.
4.5	HEAT TEST 耐热试验	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 85±2℃ FOR 96 HOURS.AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在温度 85±2℃中测试 96 小时后,再放置正常室温中 1 小时来测定.	
4.6	HUMIDITY TEST 潮湿试验	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 40±2℃ 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. 放置 40±2℃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.	

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