SHENZHEN XIEJIA ELECTRONICS CO.,LTD. 深 圳 市 协 佳 电 子 有 限 公 司	文件编号	XJ-SP-9412
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SPECIFICATION 规格书	第 A 版	第 1 页 共 3 页

MODEL NO.
产 品 名 称 . MT-008A

DRAWN 制 订		APPD. 审 批	

1. RATING (额 定 值) : DC 12V 50mA

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 1KHz SMALL CURRENT(10mA OR LESS) 在 1KHz 微小电流(10mA 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 FOR 1 MIN. TO FOLLOWING PORTIONS AFTER WHICH MEASUREMENT SHALL BE MADE: (1) BETWEEN BODY AND TERMINAL (2) BETWEEN TERMINAL NOT TO BE CONTACTED (3) BETWEEN TERMINAL NOT TO BE CONTACTED WHEN PLUG IS INSERTED. 输入 100V DC 电压 1 分钟,按以下接触方法测试: (1) 插座体与排脚之间. (2) 不接触的排脚之间. (3) 插头插入时不接触排脚之间.	100MΩ MIN. 100 兆欧以上。
2.3	DIELECTRIC STRENGTH 耐电压	AC 250V rms(50-60Hz)FOR 1 MIN TRIP CURRENT:0.5 mA (1) BETWEEN BODY AND TERMINAL (2) BETWEEN TERMINAL NOT TO BE CONTACTED (3) BETWEEN TERMINAL NOT TO BE CONTACTED WHEN PLUG IS INSERTED. 输入 AC 250V(50-60Hz)电压,1 分钟感度电流为 0.5mA,按以下接触方法测试: (1) 插座体与排脚之间. (2) 不接触的排脚之间. (3) 插头插入时不接触排脚之间.	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	PLACING THE SWITHCH SUCH THAT THE DIRECTION OF SWITCH OPERATION IS VERTICAL, AND THEN GRADUALLY INCREASING THE LOAD APPLIED TO THE CENTER OF THE KNOB. THE MAXIMUM LOAD FOR THE KNOB TO COME TO A STOP SHALL BE MEASURED. 开关垂直于操作方向放置,在胶头中心逐渐施力,测量开关导通所需的最大力度.	CENTRAL:300±100gf LOCAL:200±50gf
	RETURN FORCE 回归力	THE SAMPLE SWITCH IS INSTALLED SUCH THAT THE DIRECTION OF SWITCH OPERATION IS VERTICAL, AND UPON DEPRESSION OF KNOB IN ITS CENTER THE WHOLE TRAVEL DISTANCE, THE FORCE OF THE KNOB TO RETURN TO ITS FREE POSITION SHALL BE MEASURED. 开关垂直于操作方向放置,胶头的中心下降至全行程后,测量胶头向自由位置返回的力度.	>20gf

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3.2	TERMINAL STRENGTH 端子强度	A STATIC LOAD OF 500gf SHALL BE APPLIED TO THE TERMINAL FOR 1 MINUTE.IN ANY DIRECTION 在排脚前端任意一个方向加500gf 力度测试,时间为1分钟.	THERE SHALL BE NO DAMAGE TO THE TERMINAL SUCH AS CRACKS, LOOSENESS OR PLAY. ELECTRICAL AND MECHANICAL CHARACTERISTICS SHALL BE SATISFIED. 在排脚中没有裂开、松动等异常,满足于机械、电器性能。

4. DURABILITY (耐久性)：

ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格
4.1	LIFE TEST 寿命试验	100K CYCLES OF A KNOB OPERATION SHALL BE PERFORMED CONTINUOUSLY AT 60 CYCLES/MIN. WITHOUT LOAD. 操作组件以每分钟60回的速度连续完成100K回动作,不加负载.	(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。
4.2	HEAT TEST 耐热试验	THE JACK 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。	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。
4.3	COLD TEST 耐冷试验	THE JACK SHALL BE STORED AT A TEMPERATURE OF -30±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-30±2℃中96小时后,再放置常温常湿中1小时来测定。	
4.4	HUMIDITY TEST 潮湿试验	THE JACK SHALL BE STORED AT TEMPERATURE OF 40±2℃ AND HUMIDITY OF 90% TO 95% FOR 96 HOURS, THEN THE JACK SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 Hr FOR OTHER PROCEDURES. 放置40±2℃.的相对湿度为90~95%Hr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。	
4.5	PRACTICAL TEMPERATURE RANG 使用温度范围	-10℃~+60℃. 在-10℃~+60℃温度内使用.	

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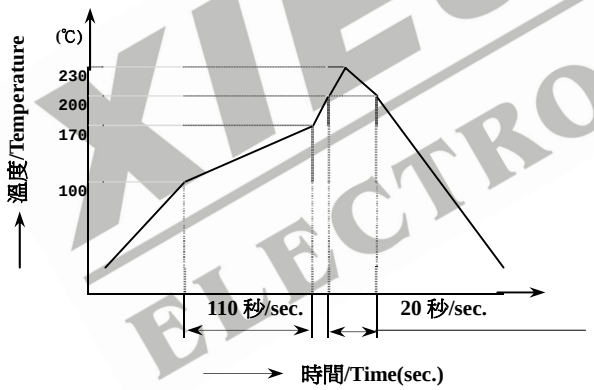
4.6	STANDARD ATMOSPHERIC CONDITIONS 测试标准状态	UNLESS OTHERWISE SPECIFIED. THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWINGS: AMBIENT TEMPERATURE : 5℃ TO 35℃ RELATIVE HUMIDITY : 45% TO 85% AIR PRESSURE : 86Kpa TO 106Kpa 在没有指定的情况下测试温度、湿度、气压如下: (1) 温度为 5~35℃. (2) 湿度为 45%~85%. (3) 气压为 86Kpa~106Kpa.	
4.7	SOLDERING CONDITIONS 焊锡条件	(1)HAND SOLDERING: DEVICE:SOLDER IRON A.350C° Max.3sec.Max. B.270C° Max.5sec.Max. 手焊: 工具:烙铁 A.350C° Max.3sec.Max. B.270C° Max.5sec.Max. (2)REFLOW SOLDERING 回流焊  	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。。

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