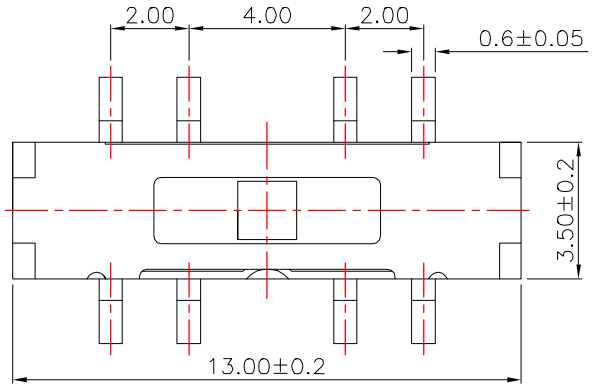
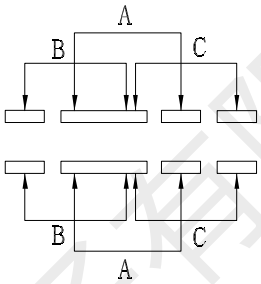
RoHS

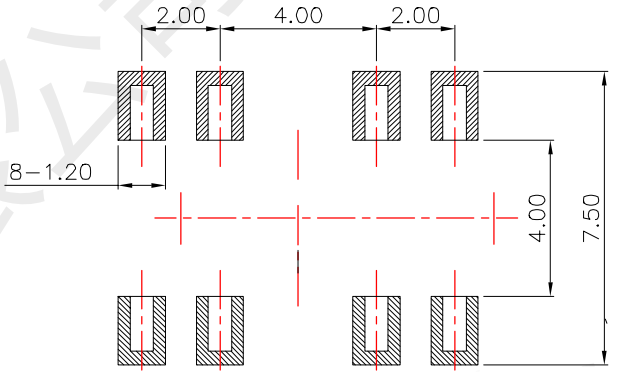



CIRCUIT DIAGRAM

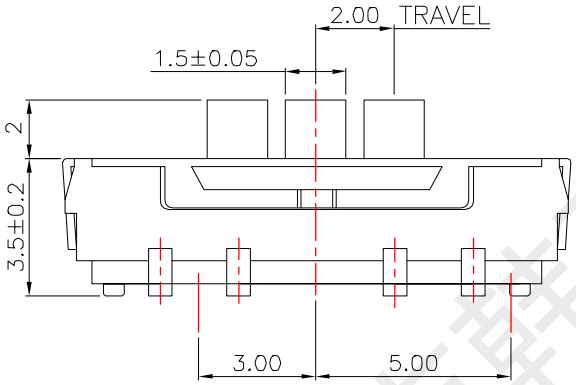


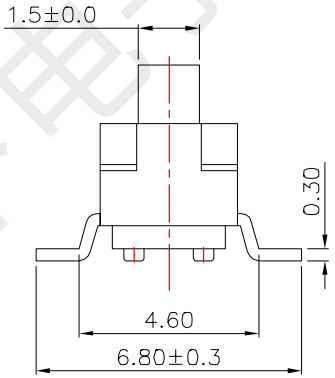

P.C.B MOUNTING PATTERN DIMENSION

the following soldering are recomended
for reflow sldeing




| H |
|---|
| 2.0 |
| 3.0 |
| 4.0 |




技 术 参 数

| NO | 项 目 | 参 数 |
|---|---|---|
| 1 | 额定电流 | 12V DC 500mA |
| 2 | 接触电阻 | ≤100Ω |
| 3 | 按 力 | 210±70gf |
| 4 | 行 程 | 2.0±0.2mm |
| 5 | 绝缘电阻 | >100MΩ |
| 6 | 抗电强度 | 250V 50Hz 1Min |
| 7 | 寿 命 | 10000 次 |

Specification 材质

| Part Name 名称 | Material 颜 色 | Specification 材 质 |
|---|---|---|
| 盖板 | 银白色 | 不锈钢镀银 |
| 按钮 | 黑色 | PA46/9T |
| 弹簧 | 本色 | 不锈钢丝 |
| 簧片 | 银白色 | 磷青铜镀银 |
| 基座 | 黑色 | PA46/9T/LCP |
| 端子 | 银白色 | 磷铜镀银 |

深圳市韩下电子有限公司

第三视角 FIRST VIEW

名称/NAME：拨 动 开 关

型号/MODEL：HX MST-23D18G2-BD

| 标记 SING | 处数 FREQUENCY | 更改文件号 REVISION | 签名 APPROVED | 日期 DATE | 比例 SCALE | | 一般公差 GENERAL TOLERANCE | |
|---|---|---|---|---|---|---|---|---|
| 设计 DESIGN | 黄彬 | 2020.7.13 | 单位 UNIT | mm | 0.5~2 | ±0.10 | | |
| 审核 CHECKED | 张伟 | 2020.7.13 | 重量 WEIGHT | | 2~5 | ±0.15 | | |
| 批准 APPROVED | 罗小春 | 2020.7.13 | | | 5~10 | ±0.20 | | |
| | | | | | 角度 ANGLE | ±0.5° | | |

深圳市韩下电子有限公司

深圳市韩下电子有限公司
Shenzhen Hanxia Electronic Co., Ltd
Tel: 0755-23086569

# 承　认　书

# SPECIFICATION FOR APPROVAL

**产 品 编 码**
**Material code:** _____

产品名称 Project：滑动开关

规格型号 Part No：HX MST-23D18G2-BD

**贵公司承认印 Approal slgnatures**

| 料 号/Part No. | 签　章/Signatures |
|---|---|
| | |

日期 Date:

| | | |
|---|---|---|
| 拟制/Drawn | 黄彬 | 深圳市韩下电子有限公司 工程专用章 |
| 审核/Check | 张伟 | |
| 批准/Approved | 罗小春 | |

深圳市韩下电子有限公司

# 深圳市韩下电子有限公司

## SPECIFICATION 规格书

| | | | |
|---|---|---|---|
| 1:GENERAL SPECIFICATION 基本事项 | | | |
| 1.1 | RATING (额定值)：DC 12V 100mA | | |
| 1.2 | PRACTICAL TEMPERATURE RANEG: -25℃~+70℃.<br>使用温度范围: 在-25℃~+70℃溫度內使用. | | |
| 1.3 | STANDARD ATMOSPHEIC CONDITIONS :<br>UNLESS OTHERWISE SPECIFIED. THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS:<br>(1) AMBIENT TEMPERATURE : 5℃ TO 35℃;<br>(2) RELATIVE HUMIDITY : 45% TO 85%;<br>(3) AIR PRESSURE : 86Kpa TO 106Kpa.<br>测试标准状态: 在沒有指定的情況下测试温度，湿度，气压如下:<br>(1)温度为5~35℃; (2)湿度为45%~85%; (3) 气压为86Kpa~106Kpa. | | |
| 2. ELECTRICAL CHARACTERISTICS (电气性能规格)： | | | |
| ITEM 项目 | | TEST CONDITIONS 测试条件 | PERFORMANCE(DATA)规格(数据) |
| 2.1 | CONTACT RESISTANCE<br>接触电阻 | MEASURED AT 1KHz SMALL CURRENT(100 mA OR LESS)在1KHz微小电流(100mA 以下)测试. | 100mΩ MAX.<br>100毫欧以下. |
| 2.2 | INSULATION RESISTANCE<br>绝缘电阻 | APPLY A VOLTAGE OF 500V DC FOR 1 MIN.<br>THE FOLLOWING CONTACE TEST METHOD:<br>(1)BETWEEN BODY AND CONDUCTOR.<br>(2) BETWEEN CONDUCTORS NOT TO BE CONTAC.<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)胶座体和排脚之间. | 100MΩ MIN.<br>100兆欧以上. |
| 2.3 | ELECT RIC STRENGTH<br>耐电压 | AC 250V(50-60Hz) FOR 1 MIN TRIP CURRENT:0.5mA<br>THE FOLLOWING CONTACE TEST METHOD:<br>(1)BETWEEN TERMINALS.<br>(2) BETWEEN INDIVIDUAL TERMINALS AND FRAME.<br>输入AC250V(50-60Hz) 电压，1分钟感度电流为0.5mA，接触测试方法如下:<br>(1)接触端子之间.<br>(2)外壳体和排脚之间. | THOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC.<br>沒有绝缘破坏等异常 |
| 3 .MECHANICAL CHARACTERISTICS (机械性能规格)： | | | |
| ITEM 项目 | | TEST CONDITIONS 测试条件 | ERFORMANCE(DATA)规格(数据) |
| 3.1 | OPERATION FORCE<br>动作力 | LATERAL PUSH (侧向推动) | PUSH FORCE (推动力度):210gf±70gf |
| 3.2 | TRAVEL TO CLOSURE<br>动作行程 | IN THE HORIZONTAL DIRECTION SWITCH HANDLE OPRATION,WITH AN EQUAL TO 2TIMES THE THRUST OF THE SWITSH FORM ONE POSITION TO THE NEXT GEAR, MOVING DISTANCE MEASURING HANDLE.<br>在开关推柄运行的水平方向，以一个等于2倍推力使开关从一个档位运动到下一档位，测量推柄的移动距离. | 2mm±0.2mm |
| 3.3 | STEM STRENGTH<br>操作部(柄)强度 | AND ALONG THE RUNNING DIRECTION AT APEX HANDLE(500gf) ON THESTRENGTH TEST,TIME IS 30SECONDS.<br>在推柄的先端沿运行方向加上(500gf)力度测 试，时间为30秒. | THERE SHALL BE NO DAMAGE ONAPPEARANCE MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED 外观无异常，满足于机械，电气性能 |

| 4. DURABILITY(耐久性）： | | | |
|---|---|---|---|
| ITEM 项目 | | TEST CONDITIONS 测试条件 | PERFORMANCE(DATA) 规格(数据) |
| 4.1 | LIFE TEST<br>寿命试验 | AN ACTUATOR SHALL BE WITH A THRUST OF NO GREAT THAN 1 TIMES SWITH POWER TO 10000 CYCLES AT A SPEED OF 30 CYCLES FOR 1 MIN.<br>操作者以每分钟30次的频率，施加不大于开关1倍的推力 做 10000 次无负荷测试. | 1) CONTACT RESISTANCE SHALL BE 50mΩ MAX.<br>2) LIFETIME:10000次<br>1)接触电阻不超于50mΩ.<br>2)寿命:10000次 |
| 4.2 | HEAT TEST<br>耐热实验 | 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.<br>放置在温度85±2℃中96小时后，再放置正常室温 中1小时后测定. | THERE SHALL BE NO DAMAGE ONAPPEARANCE MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED<br>外观无异常，满足于机械， 电气性能 |
| 4.3 | COLD TEST<br>耐冷实验 | 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.<br>放置在温度-25±3℃中96小时后，再放置正常室温中1小时后测定. | |
| 4.4 | HUMIDITY TEST<br>潮湿实验 | THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 40±2℃ AND A HUMIDITY OF 80% TO 85% FOR 96 Hr. THEN THE JACK SHALL BE MAINTAINEDAT STANDARD ATMOSPHERIC CONDITION FOR 1 Hr FOR OTHER PROCEDURES.<br>放置在40±2℃相对湿度为80～85%环境中96小时后， 再将样品放在正常室温中1小时后测定. | |
| 4.5 | SOLDERING CONDITIONS<br>焊锡条件 | HAND SOLDERING 手焊：<br>1）DIVCE 工具：SOLDER IRON 电烙铁.<br>A. 350℃MAX.,2 sec Max<br>B. 270℃MAX.,4 sec Max | THERE SHALL BE NO DAMAGE ONAPPEARANCE MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED<br>外观无异常，满足于机械， 电气性能 |

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