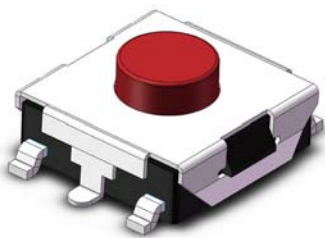


# Tact Switch

## 技术参数 / Technical parameter



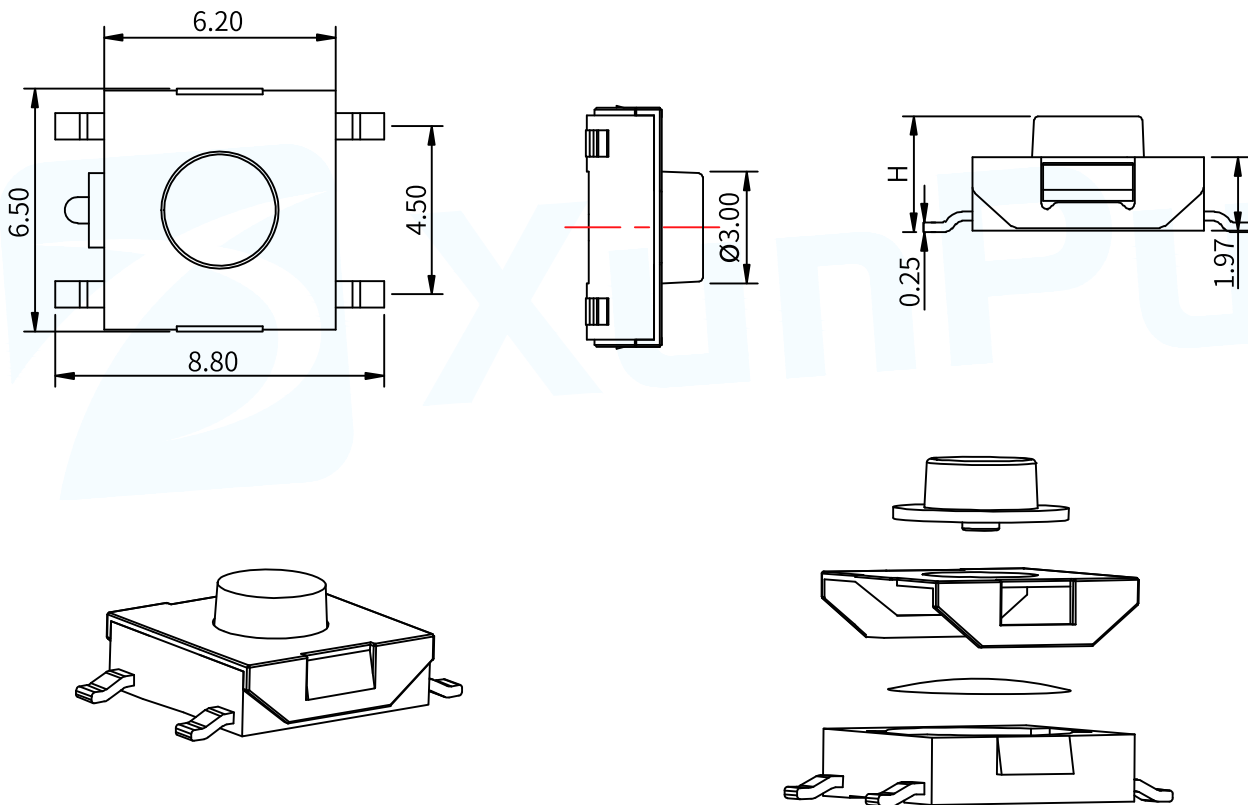
**TS-1057W**  
W6.50xD6.20xH

|   |  |
|---|--|
| 按压力度(Press pressure) : 1.0N/1.6N/2.5N     | 开关行程(Switch stroke) : 0.25±0.1mm         |
| 操作方式(Operation mode): 正按式/Positive press  | 操作寿命(Operation life): 100,000 Cycles Min |
| 储存温度(Storage temperature): -30°C TO +80°C | 焊接温度(Welding temperature): 350±5° 3s     |
| 额定负荷(Rated load): DC 12V 50mA             | 焊接方式(Welding mode): 贴片式/SMT              |
| 接触电阻(Contact resistance): 100mΩ max.      | 包装方式(Packaging method): 卷带/Tape&Reel(TR) |
| 绝缘电阻(Insulation resistance): 100MΩ min.   | 最小包装(Minimum packing): 1,500/PCS         |

## 外形尺寸(UNIT:MM) / Size Chart

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更多资料请参考技术选型档!



### 产品编号/Product No

TS-1057-X X XXX XX

A: 不锈钢(SUS)      Operating force  
B: 覆银铜(C5210)  
C: 带柱(Column)      Product height  
R: 不带柱(No Column)

### 操作力度/Operating Force

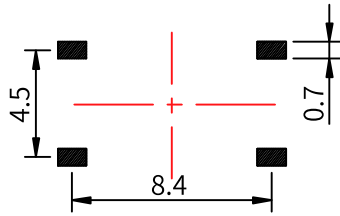
| Code | Press force(N) | Return force |
|------|----------------|--------------|
| 16   | 1.6±0.5        | 0.4min       |
| 26   | 2.6±0.5        | 0.4min       |

### 产品高度/Product Height

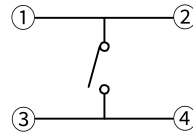
| Code | Product height(mm) | Code | Product height(mm) |
|------|--------------------|------|--------------------|
| 025  | 2.5                | 043  | 4.3                |
| 027  | 2.7                | 050  | 5.0                |
| 031  | 3.1                | 055  | 5.5                |
| 034  | 3.4                |      |                    |
| 037  | 3.7                |      |                    |

### 材质/Material

| NO | NAME           | MATERIAL   | FINISHING           |
|----|----------------|------------|---------------------|
| ①  | 按钮<br>Button   | Nylon      | 红色<br>Red           |
| ②  | 盖子<br>Cover    | Brass      | 镀镍<br>Nickel plated |
| ③  | 基座<br>Bover    | Nylon      | 黑色<br>Black         |
| ④  | 弹片<br>Shrapnel | F.Ag/C5210 | 镀银<br>Silvering     |
| ⑤  | 端子<br>Terminal | Copper     | 镀银<br>Silvering     |



RECOMMEDED P.C.B LAYOUT  
安装尺寸图



CIRCUIT DIAGRAM  
回路图

焊接条件 / Welding conditions

● 回流焊/Reflow soldering

适用表面贴装型产品/Applicable to surface mount products  
温度分布/Temperature distribution



● 手焊式/Hand welding

| 项目/Project                        | 条件/condition |
|-----------------------------------|--------------|
| 焊接温度<br>Welding temperature       | 350°C max.   |
| 持续焊接时间<br>Continuous welding time | 3s max.      |
| 焊剂斗容量<br>Flux bucket capacity     | 60W max.     |

● 浸焊式/Immersion soldering

| 项目/Project                         | 条件/condition  |
|------------------------------------|---|
| 助焊剂附着量<br>Flux adhesion            | 不附着于零部件贴装面的程度<br>Not attached to the mounting surface of components                         |
| 预热温度<br>Preheating temperature     | 印刷电路板焊接面的周围温度 100°C max.<br>The temperature around the welding surface of PCB is 100 °C max |
| 预热温度时间<br>Preheat temperature time | 60s max.  |
| 焊接温度<br>welding temperature        | 260°C max.  |
| 焊接浸渍时间<br>Welding immersion time   | 5s max.   |
| 焊接次数<br>Welding times              | 2 times max.  |

注:

1. 加热方式:以远红外线上下加热方式。
2. 温度测量:用Φ0.1~0.2 的 CA(K)或 CC(T)测量位置在焊接连接部(锡/铜箔面)。
3. 固定方式:采用耐热胶带。