



# 深圳优高电子有限公司

SHENZHEN YKO ELECTRONICS CO.,TLD.

## 产品规格书

Product specification

产品编码/规格 CUSTOMER PRODUCT SPECIFICATION	YAM-09HWAG
名称 TITLE	拨码开关 (CODE SWITCH)
型号 MODEL NO.	SMT SWITCH YAD SERIES
制样 DSGD BY	谢榕
审核 CHKD BY	钟建霞
批准 APPD BY	彭清华
送样印 SENDING PRINT	
承认印 APPD PRINT	
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## 材料 MATERIALS

上盖: 工程塑料, 黑色

底座: 工程塑料, 黑色

拨键: 工程塑料, 白色或橙色

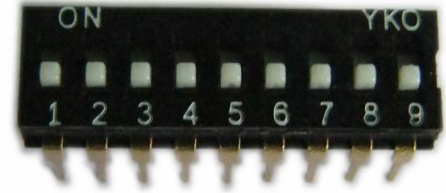
端子: 铜合金, 镀金或者镀锡

COVER: Engineering Plastics, Black

BASE: Engineering Plastics, Black

KEY: Engineering Plastics, White or orange

TERMINAL: Alloy Copper, Plating Gold or Tin



## 电器性能 ELECTRICAL SPECIFICATIONS

- |                  |  |   |
|------------------|--|---|
| 1. 接触电阻 (初始值)    | Contact resistance (initial):          | $\leq 50\text{m}\Omega$                   |
| 2. 接触电阻 (测试后)    | Contact resistance (after life test):  | $\leq 100\text{m}\Omega$                  |
| 3. 开关容量 (开关常切换)  | Contact rating (Contact rating):       | 25mA 24VDC                                |
| 4. 开关容量 (开关不常切换) | Contact rating (Non-Contact rating):   | 100mA                                     |
| 5. 绝缘电阻          | Insulation resistance:                 | $\geq 100\text{M}\Omega$ . Min. at 500VDC |
| 6. 耐压强度          | Dielectric strength:                   | 500VAC Min. for 60 seconds. 1mA           |
| 7. 极间电容          | Capacitance between adjacent switches: | $\leq 5\text{PF}$                         |

## 机械特性 MECHANICAL SPECIFICATIONS

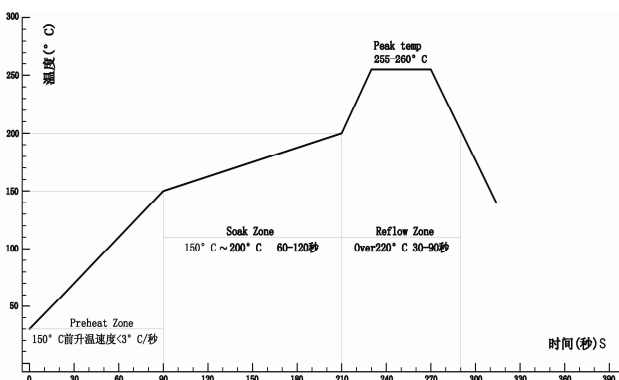
- |         |                               |  |
|---------|-------------------------------|--|
| 1. 操作力  | Operation force:              | $\leq 8\text{N}$   |
| 2. 机械寿命 | Mechanical life:              | 2000 operations  |
| 3. 使用温度 | Operating Temperature:        | $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$                               |
| 4. 储存温度 | Storage Temperature:          | $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$                               |
| 5. 可焊性  | Solderability:                | After flux $230 \pm 5^{\circ}\text{C}$ for $5 \pm 0.5$ seconds, 95% coverage |
| 6. 耐焊接热 | Resistance to soldering heat: | $260 \pm 5^{\circ}\text{C}$ for $5 \pm 1$ seconds                            |

## 焊接

- 在所有操作过程中, 请确保开关在OFF位置
- 波焊: (DIP型) 推荐焊接焊锡温度为  $250^{\circ}\text{C}$ , 最多10秒
- 手焊: 使用30W烙铁控制温度在  $350^{\circ}\text{C}$ , 焊接时间大约5秒钟
- 回流焊: (SMT型) 回流炉最高温度为  $260^{\circ}\text{C}$ , 温度为  $260^{\circ}\text{C}$  时, 最长不超过10秒 (如图)

## SOLDERING PROCESSES

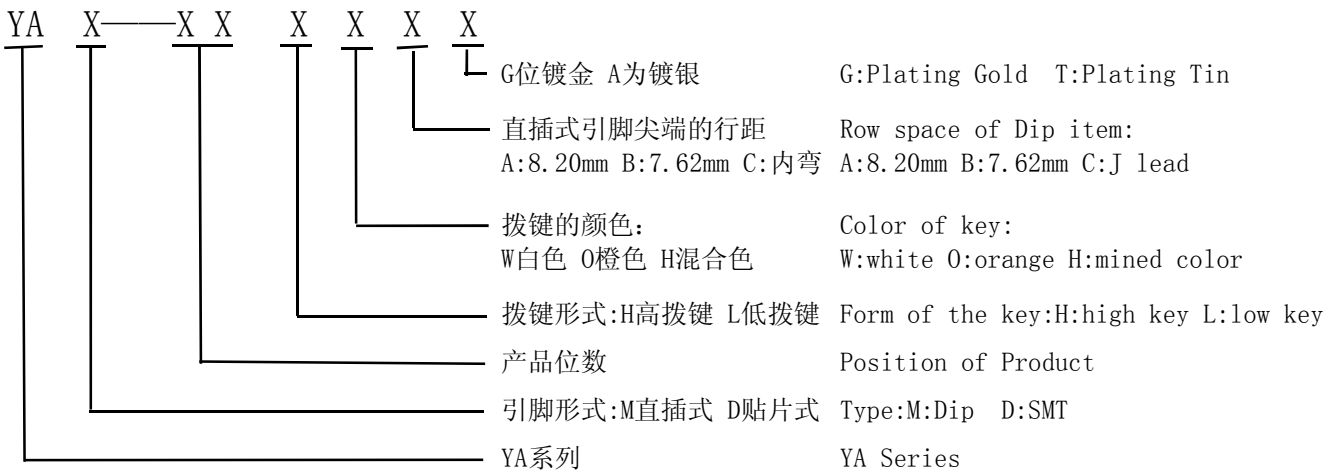
- Keep all switch contacts in their "OFF" position for all operations
- WAVE SOLDERING: Recommended solder temperature at  $250^{\circ}\text{C}$  max. 10 seconds
- HAND SOLDERING: Use a soldering iron of 30 Watts controlled at  $350^{\circ}\text{C}$  approximately 5 seconds. While applying
- Reflow Soldering Profile: (reference)





Product specification 产品规格书

型号命名PRODUCT NAMING:



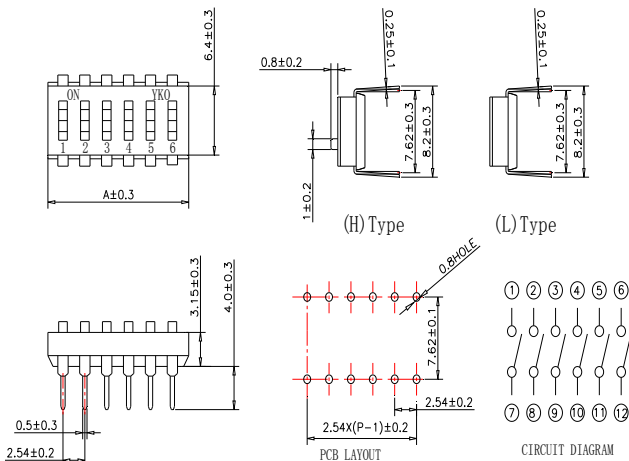
产品位数 Product position

01	02	03	04	05	06	07	08	09	10	12
一位	二位	三位	四位	五位	六位	七位	八位	九位	十位	十二位
one	two	three	four	five	six	seven	eight	nine	ten	twelve

外形及装配尺寸Shape and Assembly size

DIMENSION A(General tolerance:±0.3)

POSITIONS	1	2	3	4	5	6	7	8	9	10	12
A	3.64	6.18	8.72	11.26	13.80	16.34	18.88	21.42	23.96	26.50	31.58



ITEM	DES	MATERIALS	TREATMENT
1	COVER	ENGINEERING PLASTICS	BLACK
2	BASE	ENGINEERING PLASTICS	BLACK
3	KEY	ENGINEERING PLASTICS	WHITE
4	TERMINAL	ALLOY COPPER	PLATING GOLD

产品包装: PACKING

所有拨码产品皆以 IC 管形式包装。  
All Code Switches are shipped in standard IC tube

贴片型可采用盘带包装, 每卷为1000只  
SMT type can be shipped in Tape & Reel Packing.  
The quantity is 1000PCS/Reel

系列 SERIES	开关位数 NO. of POS	每管数量 PER TUBE	每小箱数量 PER BOX	外包装 PER CTN
YA	1	130PCS	13000PCS	6 BOXES 55.5X30.5X40CM
YA	2	77PCS	7700PCS	
YA	3	55PCS	5500PCS	
YA	4	42PCS	4200PCS	
YA	5	34PCS	3400PCS	
YA	6	29PCS	2900PCS	
YA	7	25PCS	2500PCS	
YA	8	22PCS	2200PCS	
YA	9	20PCS	2000PCS	
YA	10	18PCS	1800PCS	
YA	12	15PCS	1500PCS	