

【*】[®] 慈溪市东威电子有限公司

CIXI CITY DONGWEI ELECTRONICS CO., LTD

SPECIFICATION

客 户

CUSTOMER: _____

品 名

TITLE:

拨码开关 (DIP SWITCH)

型 号

PART ON.:

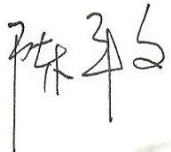



HAD-08HW-R

客 户 型 号

CUSTOMER PART NO. : _____

日 期

DATE: _____

| 制 样 DESIGNED BY | 审 核 CHECKED BY | 批 准 APPROVED BY | 送样印 SENDING PRINT |
|---|---|--|---|
|  |  |  |  |
| 客 户 确 认 CUSTOMER APPROVAL | | 承 认 印 APPD PRINT | |
| | | | |

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制品规格 SPECIFICATIONS OF PRODUCTS

| | | | | | |
|----------------------|--------------|---------------------|-----------|--------------------|-----------------|
| 文件编号 DOCUMENT NO. | DW-SP-012-08 | 发行日期 ISSUED DATE | 2012-4-17 | 版本: 2.0 VERSION | 页次: 2/4 PAGE |
|----------------------|--------------|---------------------|-----------|--------------------|-----------------|

1. 材料 MATERIALS

| | | |
|--|-----------------|---|
| | 上盖: 工程塑料, 黑色 | COVER: Engineering Plastics, Black |
| | 底座: 工程塑料, 黑色 | BASE: Engineering Plastics, Black |
| | 拨键: 工程塑料, 白色或橙色 | KEY: Engineering Plastics, White or orange |
| | 端子: 铜合金, 镀金或者镀锡 | TERMINAL: Alloy Copper, Plating Gold or Tin |

2. 产品命名 PRODUCT NAMING

| | | | | | | | | | |
|---------------------------|---|---|---|-----------------|---|---|---|-----------------------------------|--|
| HA | X | — | X | X | X | X | X | X | |
| R为环保型, 0为普通型 | | R: rohs 0: common | | 直插式引脚尖端的行距 | | Row space of Dip item: | | A: 8.20mm B: 7.62mm C: 内弯 | |
| A: 8.20mm B: 7.62mm C: 内弯 | | A: 8.20mm B: 7.62mm C: J lead | | 拨键的颜色: | | Color of key: | | W: white 0: orange H: mixed color | |
| W白色 0橙色 H混合色 | | W: white 0: orange H: mixed color | | 拨键形式: H高拨键 L低拨键 | | Form of the key: H: high key L: low key | | 产品位数 | |
| H高拨键 L低拨键 | | Form of the key: H: high key L: low key | | 产品位数 | | Position of Product | | 引脚形式: M直插式 D贴片式 | |
| Type: M: Dip D: SMT | | Type: M: Dip D: SMT | | HA系列 | | HA Series | | | |

3. 产品位数代号 NUMBER OF POSITIONS

| | | | | | | | | | | |
|-----|-----|-------|------|------|-----|-------|-------|------|-----|--------|
| 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 |

4. 电气性能 ELECTRICAL CHARACTERISTICS


| 项目 ITME | | 性能 PERFORMANCE |
|---------|---|---------------------------------|
| 4.1 | 接触电阻(初始值) CONTACT RESISTANCE (INITIAL): | ≤50mΩ |
| 4.2 | 接触电阻(测试后) (AFTER LIFE TEST): | ≤100mΩ |
| 4.3 | 开关容量(开关常切换) CONTACT RATING (CONTACT RATING): | 25mA 24VDC |
| 4.4 | 开关容量(开关不常切换) CONTACT RATING (NON-CONTACT RATING): | 100mA |
| 4.5 | 绝缘电阻 INSULATION RESISTANCE: | ≥100MΩ. Min. at 500VDC |
| 4.6 | 耐压强度 DIELECTRIC STRENGTH: | 500VAC Min. for 60 seconds. 1mA |
| 4.7 | 极际电容 CAPACITANCE BETWEEN ADJACENT SWITCHES: | ≤5PF |

5. 机械特性 MECHANICAL

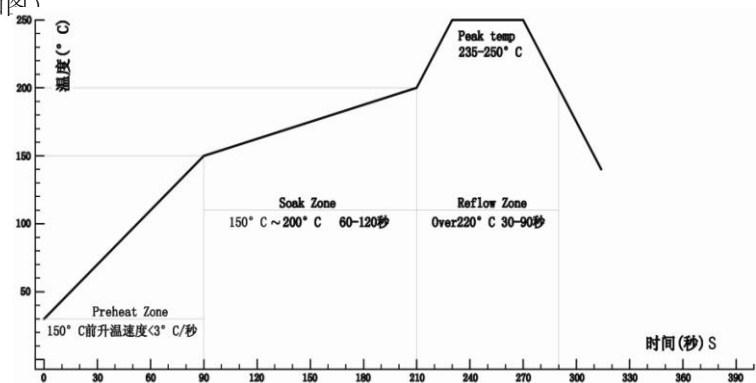
| 项目 ITME | | 性能 PERFORMANCE |
|---------|-----------------------|-----------------|
| 5.1 | 操作力 OPERATION FORCE: | ≤8N |
| 5.2 | 机械寿命 MECHANICAL LIFE: | 2000 operations |



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| 项目 ITME | | | | 性能 PERFORMANCE | |
| 5.3 | 使用温度 OPERATING TEMPERATURE: |  | | -20℃ ~ +70℃ | |
| 5.4 | 储存温度 STORAGE TEMPERATURE: | | | -40℃ ~ +85℃ | |
| 5.5 | 可焊性 SOLDERABILITY: | | | After flux 230±5℃ for 5±0.5seconds, 95%coverage | |
| 5.6 | 耐焊接热 RESISTANCE TO SOLDERING HEAT: | | | 260±5℃ for 5±1seconds | |

6. 焊接和清洗 SOLDERING AND CLEANING PROCESSES

| | | |
|-----|---|---|
| 6.1 | 在所有操作过程中, 请确保开关在OFF位置 | Keep all switch contacts in their "OFF" position for all operations |
| 6.2 | 波焊: 推荐焊接焊锡温度为500° F(260℃), 最多5秒 | WAVE SOLDERING: Recommended solder temperature at 500° F(260℃) max.5 seconds |
| 6.3 | 手焊: 使用30W烙铁控制温度在350℃, 焊接时间大约5秒钟 | HAND SOLDERING: Use a soldering iron of 30 Watts controlled at 350℃ approximately 5 seconds. While |
| 6.4 | 回流焊: (SMT型) 回流炉最高温度为250℃, 温度为250℃时, 最长不超过10秒 (如图) | Reflow Soldering Profile: (reference)  |

7. 产品包装 PACKING

| | | | | | |
|-----|---|-------------------|---|------------------|---------------------------|
| 7.1 | 所有拨码产品皆以IC管形式包装 HA系列包装资料 贴片型可采用盘带包装, 每卷为1000只 | | All Code Switches are shipped in standard IC tube Packing of HA SMT type can be shipper 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 | 6 BOXES 55.5×30.5×40CM |
| | HA | 1 | 130PCS | 13000PCS | |
| | HA | 2 | 77PCS | 7700PCS | |
| | HA | 3 | 55PCS | 5500PCS | |
| | HA | 4 | 42PCS | 4200PCS | |
| | HA | 5 | 34PCS | 3400PCS | |
| | HA | 6 | 29PCS | 2900PCS | |
| | HA | 7 | 25PCS | 2500PCS | |
| | HA | 8 | 22PCS | 2200PCS | |
| | HA | 9 | 20PCS | 2000PCS | |
| | HA | 10 | 18PCS | 1800PCS | |
| HA | 12 | 15PCS | 1500PCS | | |



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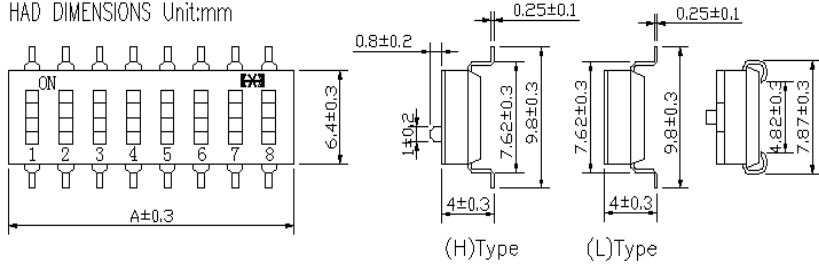
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8. 产品外形及装配图纸 SHAPE AND ASSEMBLY SIZE

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 |

HAD DIMENSIONS Unit:mm



| 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 |

