

【*】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: _____


VDG-XXHG-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 |
|---------------------------|-------------------|--------------------|---|
| 陈德青 | 胡建华 | 胡建华 |  |
| 客户确认 CUSTOMER APPROVAL | | 承认印 APPD PRINT | |
| | | | |

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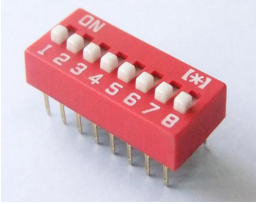





产品规格书 PRODUCT SPECIFICATION

| | | | | | |
|----------------------|----------------|---------------------|-----------|---------------|-----|
| 文件编号 DOCUMENT NO. | DW-SP-013-XXHG | 发行日期 ISSUED DATE | 2015年6月6日 | 版本 VERSION | 1.0 |
|----------------------|----------------|---------------------|-----------|---------------|-----|

1. 材料 MATERIALS

| | | |
|---|-------------------|---|
|  | 上盖: PBT, 红色、蓝色、黑色 | Cover: PBT, Red, Blue, Black |
| | 底座: PA46, 黑色 | BASE: PA46, Black |
| | 拨键: PBT, 白色 | Actuator: PBT, White |
| | 端子: 铜合金, 镀金或镀锡 | TERMINAL: Copper Alloy, Plating Gold or Tin |

2. 产品命名 PRODUCT NAMING

| | | | | | | | | | | | |
|------------------|-------|------|-----|--|--|---------------------|----------|---------|--|--|---|
| VDG - XX X X - X | | | | | | | | | | |  |
| | R环保型 | O普通型 | | | | R:Hohs | O:Common | | | | |
| | G镀金 | T镀锡 | | | | G:Gold | T:tin | | | | |
| | 外壳颜色: | | | | | Color of cover: | | | | | |
| | H红色 | L蓝色 | B黑色 | | | H:red | L:blue | B:black | | | |
| | 产品位数 | | | | | Position of product | | | | | |
| | VDG系列 | | | | | VDG series | | | | | |

3. 产品位数代号 NUMBER OF POSITIONS

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

4. 电气性能 ELECTRICAL CHARACTERISTICS

| 项目 ITEM | | 性能 PERFORMANCE |
|---------|--|---------------------------------|
| 4.1 | 接触电阻(初始值) CONTACT RESISTANCE (INITIAL): | $\leq 50m\Omega$ |
| 4.2 | 接触电阻(测试后) (AFTER LIFE TEST): | $\leq 100m\Omega$ |
| 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: | $\geq 1000M\Omega$ min. 500V DC |
| 4.6 | 耐压强度 DIELECTRIC STRENGTH: | 500V AC/1 mintue. 1mA |
| 4.7 | 极际电容 CAPACITANCE BETWEEN ADJACENT SWITCHES: | $\leq 5PF$ |

5. 机械特性 MECHANICAL

| 项目 ITEM | | 性能 PERFORMANCE |
|---------|---------------------------------------|---|
| 5.1 | 操作力 OPERATION FORCE: | $\leq 8N$ |
| 5.2 | 机械寿命 MECHANICAL LIFE: | 2000 operations |
| 5.3 | 使用温度 OPERATING TEMPERATURE: | $-40^{\circ}C \sim +85^{\circ}C$ |
| 5.4 | 储存温度 STORAGE TEMPERATURE: | $-40^{\circ}C \sim +85^{\circ}C$ |
| 5.5 | 可焊性 SOLDERABILITY: | After fluxed $235\pm 5^{\circ}C$ for 5 ± 0.5 seconds, 95%covered |
| 5.6 | 耐焊接热 RESISTANCE TO SOLDERING HEAT: | $260\pm 5^{\circ}C$ for 5 ± 1 seconds. twice |





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6. 焊接 SOLDERING

| | | |
|-----|-----------------------------------|---|
| 6.1 | 在所有操作过程中, 请确保拨键在OFF位置. | Keep all actuators contacting on their "OFF" positions during all operations. |
| 6.2 | 烙铁焊: 使用30W烙铁控制温度在350℃, 焊接时间大约5秒钟. | Soldering Iron Welding: Use a soldering iron of 30 Watts controlled at 350℃ approximately 5 seconds. While soldering. |
| 6.3 | 波峰焊: (DIP型) 推荐焊接焊锡温度为260℃, 最多5秒钟. | Wave Soldering: Recommended solder temperature at 260℃ max 5 seconds. |

7. 产品外形及装配图纸 SHAPE AND ASSEMBLY SIZE

7.1

DIMENSION A (General tolerance: ± 0.3)

| POSITIONS | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
|-----------|-----|-----|------|------|------|------|------|------|------|------|
| A | 6.7 | 9.3 | 11.8 | 14.4 | 16.9 | 19.4 | 22.0 | 24.6 | 27.2 | 32.2 |

VDG DIMENSIONS Unit:mm

| ITEM | DES | MATERIALS | TREATMENT |
|------|----------|----------------------|------------------|
| 1 | COVER | ENGINEERING PLASTICS | RED/BLUE/BLACK |
| 2 | BASE | ENGINEERING PLASTICS | BLACK |
| 3 | ACTUATOR | ENGINEERING PLASTICS | WHITE |
| 4 | TERMINAL | COPPER ALLOY | PLATING GOLD/TIN |

PCB LAYOUT CIRCUIT DIAGRAW CONSTRUCTION

8. 产品包装 PACKING

8.1

所有拨码产品皆以IC管形式包装.
All DIP Switches are packed in standard IC tubes.
VDG系列产品包装资料 (Packing data of VDG series)

| 系列 SERIES | 开关位数 NO. OF POS | 每管数量 PER TUBE | 每小箱数量 PER BOX | 外箱包装 PERCTN |
|--------------|--------------------|------------------|------------------|----------------|
| VDG | 02 | 70PCS | 6930PCS | 6 BOXES |
| | 03 | 51PCS | 5049PCS | |
| | 04 | 40PCS | 3960PCS | |
| | 05 | 33PCS | 3267PCS | |
| | 06 | 28PCS | 2772PCS | |
| | 07 | 24PCS | 2376PCS | |
| | 08 | 21PCS | 2079PCS | |
| | 09 | 19PCS | 1881PCS | |
| | 10 | 17PCS | 1530PCS | |
| | 12 | 14PCS | 1260PCS | |