

RELAY

超小型中功率电磁继电器 / Subminiature Intermediate Power Relay

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| <p>CTPR1系列 CTPR1 SERIES</p>  | <p>● 特性 Features</p> <ul style="list-style-type: none"> ● 尺寸: 超小型 (18.4x10.2x15.5mm) Dimension: Miniature (18.4x10.2x15.5mm) ● 切换能力达10A,用于密集安装 Ability to switch up to 10A,used for intensive installation ● 耐冲击电压: 5000V Dielectric strength between coil and contact:5KV ● 适用于家用、办公设备, 音响设备, 汽车, 电子玩具, 空调等, Suitable for home,office equipment, audio equipment, automotive, electronics, air conditioning, etc <p>● 安规认证 Safety Approval</p>  |
|--|---|

| 触点参数/CONTACT DATA | | 性能参数/GENERAL DATA | |
|-----------------------------------|---------------------------------|-------------------------------|---|
| 触点形式 Contact Form | A- 一组常开 A-1 Form A | 绝缘电阻 Insulation Resistance | Min. 1000MΩ.500VDC |
| 触点材料 Contact Material | 银合金 Ag Alloy | 介质耐压 Dielectric Strength: | 触点与触点间 Between open contacts 1000VAC,1min |
| 触点负载 Contact Rating | 5A 250VAC/30VDC,10A 125VAC | | 触点与线圈间 Between coil and contacts 4000VAC,1min |
| 接触电阻 Contact Resistance | 100mΩ Max (6VDC 1A) | 吸合时间 Operate time | Max.10ms |
| 负载 Load | 最大切换电压 Max.Switching Voltage | 释放时间 Release time | Max.10ms |
| | 最大切换电流 Max.Switching Current | 环境温度 Ambient Temperature | -40℃~+105℃ |
| | 最大切换功率 Max.Switching Power | 相对湿度 Humidity | 35~85%RH,+40℃ |
| | 最小切换电压及电流 Min.Switching Load | 冲击 Shock Resistance | 强度 Endurance 980m/S ² 稳定性 Misoperation 98m/S ² |
| 寿命 Life | 电寿命 Electrical Life | 振动 Vibration Resistance | 强度 Endurance 10~55HZ,1.5mm双振幅 10~55HZ,1.5mm double amplitude |
| | 机械寿命 Mechanical | | 稳定性 Misoperation 10~55HZ,1.5mm双振幅 10~55HZ,1.5mm double amplitude |
| 线圈参数 COIL DATA | | 重量 Weight | 约 5.6g Approximately 5.6g |
| 额定线圈功率 (W) Rated Coil Power(W) | 0.45W, 0.2W | | |

| 安规认证/SAFETY APPROVAL | | | | | |
|----------------------------------|----------------------|-----------------------------------|---|-------------------------------------|---|
| 认证类型 / 认证号 Certified/File No. | 触点形式 Contact Form | 额定线圈功率 (W) Rated Coil Power(W) | 额定线圈电压 (VDC) Rated Coil Voltage(VDC) | 认证负载 Safety Approval Rating | 备注 Remark |
| UL/C-UL | A | 0.45W/0.2W | 3-24VDC | 5A 250VAC 5A 30VDC 10A 125VAC | 环境温度 : 105℃ Ambient Temperature:105 °C |
| TUV/R50249300 | A | 0.45W/0.2W | 3-24VDC | 5A 250VAC | 环境温度 : 85℃ Ambient Temperature:85 °C |
| CQC/CQC13002096125 | A | 0.45W/0.2W | 3-24VDC | 5A 250VAC | 环境温度 : 85℃ Ambient Temperature:85 °C |

| 线圈规格/COIL DATA | | | | |
|---------------------------------------|---------------------------------------|------------------------------------|------------------------------------|-----------------------------------|
| 额定线圈电压 Rated Coil Voltage (VDC) | 线圈电阻 Coil Resistance (Ω ± 10%) | 吸合电压 Operate Voltage ≤ (VDC) | 释放电压 Release Voltage ≥ (VDC) | 额定线圈功率 Rated Coil Power (W) |
| 3 | 20 | 2.25 | 0.3 | 0.45 |
| 5 | 55 | 3.75 | 0.5 | |
| 6 | 80 | 4.5 | 0.6 | |
| 9 | 180 | 6.75 | 0.9 | |
| 12 | 320 | 9 | 1.2 | |
| 18 | 720 | 13.5 | 1.8 | |
| 24 | 1280 | 18 | 2.4 | |
| 3 | 45 | 2.25 | 0.3 | |
| 5 | 125 | 3.75 | 0.5 | |
| 6 | 180 | 4.5 | 0.6 | |
| 9 | 405 | 6.75 | 0.9 | |
| 12 | 720 | 9 | 1.2 | |
| 18 | 1620 | 13.5 | 1.8 | |
| 24 | 2880 | 18 | 2.4 | |

命名规则/OPDERING INFORMATION

CTPR1- S- D12V- L- A (xxx)

客户特性号:
Customer special code

触点转换形式: A- 一组常开
Contact Forms : A- 1 Form A

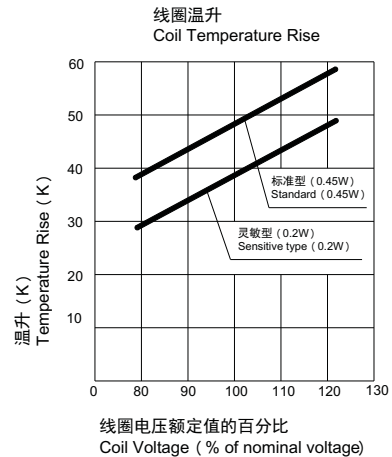
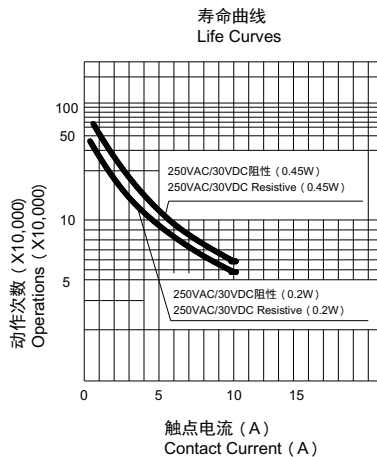
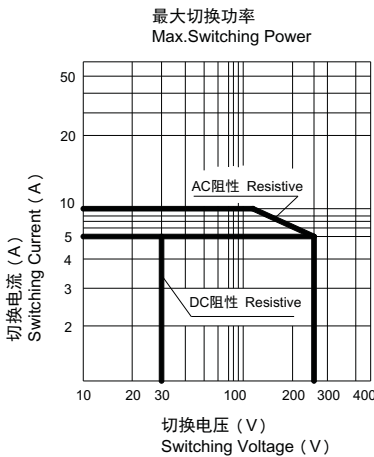
额定线圈功率: L-高灵敏度0.2W 无(L)标准型0.45W
Rated Coil Power: L-High Sensitivity (0.2W) Blank-Standard (0.45W)

额定线圈电压 (VDC) : 03, 05, 06, 09, 12, 18, 24
Rated Coil Voltage (VDC) : 03, 05, 06, 09, 12, 18, 24

封装形式: S-塑封型 SH-防焊剂型
Packing Forms: S-Plastic Sealed Type SH-Flux Model

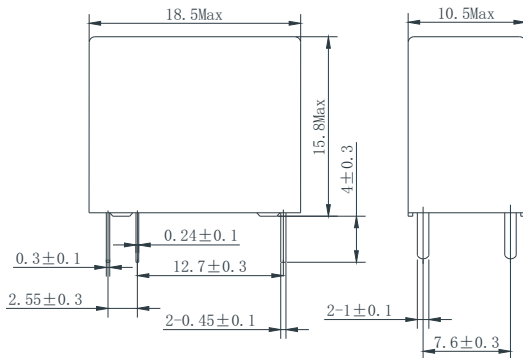
型号: CTPR1
Model: CTPR1

特性曲线图/CHARACTERISTIC CHART DATA

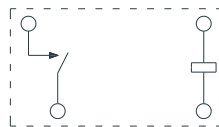


外形图, 接线图, 安装孔尺寸(单位:mm) / OUTLINE DIMENSIONS, WIRING DIAGRAM, PCB LAYOUT(UNIT:mm)

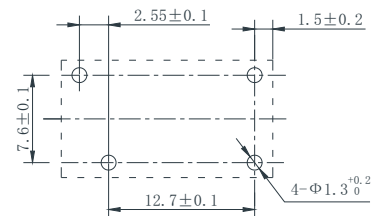
外形图/Outline Dimensions



接线图/Wiring Diagram
(底视图) / (Bottom View)



安装孔尺寸/PCB Layout
(底视图) / (Bottom View)



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Disclaimer:

The specification is for reference only. Specifications subject to change without notice. We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a right position to choose the suitable product for their own application. If there is any query, please contact "Cloutip" for the technical service. However, it is the use's responsibility to determine which product should be used only.