



RELAY

超小型功率电磁继电器 / Subminiature Power Relay

CTPR4系列 CTPR4 SERIES 	<ul style="list-style-type: none"> ● 特性 Features ● 外形尺寸 : (19.0x15.5x15.8mm) OUT Dimension: (19.0x15.5x15.8mm) ● 触点切换能力达 15A Contact Ability to switch up to 15A ● 环保产品 (符合 ROHS) Environmentally friendly products (in line with ROHS) ● 塑封型和防焊剂型可供选择 Sealed model and Flux model are available 	<ul style="list-style-type: none"> ● 阻燃等级 UL94 , V-0 Flame retardant grade UL94, V-0 ● 超小型标准印制板引出脚 Miniature PCB leads ● UL 绝缘等级 : F 级绝缘等级可供选择 UL insulation grade: F grade insulation grade is available.
	<ul style="list-style-type: none"> ● 安规认证 Safety Approval 	

触点参数 / CONTACT DATA

触点形式 Contact Form	1A, 1B, 1C	
接触电阻 Contact Resistance	100mΩ Max (6VDC 1A)	
触点材料 Contact Material	银合金 Ag Alloy	
触点负载 (阻性) Contact Rating (Resistive)	15A 125VAC 10A 250VAC	NO: 10A 250VAC/28VDC NC: 7A 250VAC/28VDC
最大切换电压 Max. Switching Voltage	250VAC/30VDC	
最大切换电流 Max. Switching Current	15A	
最大切换功率 Max. Switching Power	1875VA	
机械寿命 Mechanical	1×10 ⁷ 次 1×10 ⁷ times	
电气寿命 Electrical Life	1×10 ⁵ 次 1×10 ⁵ times	

线圈参数 / COIL DATA

额定线圈功率 (W) Rated Coil Power(W)	0.36W, 0.45W
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性能参数 / GENERAL DATA

绝缘电阻 Insulation Resistance	1000MΩ.500VDC	
介质耐压 Dielectric Strength	断开触点间 Between Open contacts	750VAC 1min
	线圈与触点间 Between Coil and contacts	1500VAC 1min
动作时间 (额定电压下) Operate time (Under rated voltage)	≤10ms	
释放时间 (额定电压下) Release time (Under rated voltage)	≤5ms	
冲击 Shock Resistance	强度 Endurance	980m/S ²
	稳定性 Misoperation	98m/S ²
振动 Vibration Resistance	10~55HZ, 1.5mm 双振幅 10~55HZ, 1.5mm double amplitude	
湿度 Humidity	35%~95%RH, +40°C	
温度范围 Temperature range	-40°C ~ +105°C	
重量 Weight	约10.0g about 10.0g	

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	A	0.36W/0.45W	3-48VDC	15A 125VAC	环境温度: 105°C Ambient Temperature: 105°C
	B	0.36W/0.45W	3-48VDC	7A 250VAC	环境温度: 85°C Ambient Temperature: 85°C
	C	0.36W/0.45W	3-48VDC	NO: 10A 250VAC/28VDC NC: 7A 250VAC/28VDC	环境温度: 85°C Ambient Temperature: 85°C
TUV	A	0.36W/0.45W	3-48VDC	10A 125VAC	环境温度: 85°C Ambient Temperature: 85°C
	B	0.36W/0.45W	3-48VDC	7A 250VAC	环境温度: 85°C Ambient Temperature: 85°C
	C	0.36W/0.45W	3-48VDC	NO: 10A 250VAC NC: 7A 250VAC	环境温度: 85°C Ambient Temperature: 85°C
CQC	A	0.36W/0.45W	3-48VDC	10A 125VAC	环境温度: 85°C Ambient Temperature: 85°C
	B	0.36W/0.45W	3-48VDC	7A 250VAC	环境温度: 85°C Ambient Temperature: 85°C
	C	0.36W/0.45W	3-48VDC	NO: 10A 250VAC NC: 7A 250VAC	环境温度: 85°C Ambient Temperature: 85°C

线圈规格/COIL DATA

额定电压 Rated Voltage (VDC)	线圈电阻 Coil Resistance ($\Omega \pm 10\%$)	吸合电压 Operate Voltage \leq (VDC)	释放电压 Release Voltage \geq (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	4.50	0.6	
9	180	6.75	0.9	
12	320	9.00	1.2	
24	1280	18.0	2.4	
48	5120	36.0	4.8	0.36
3	25	2.25	0.3	
5	70	3.75	0.5	
6	100	4.50	0.6	
9	225	6.75	0.9	
12	400	9.00	1.2	
24	1600	18.0	2.4	0.36
48	6400	36.0	4.8	

命名规则/OPDERING INFORMATION

CTPR4 -D -S -D12V -A (xxx)

客户特性号：
Customer characteristic No:

触点转换形式：
Contact Forms : A- 一组常开 B- 一组常闭 A- 一组转换
A- 1 Form A B- 1 Form B C- 1 Form C

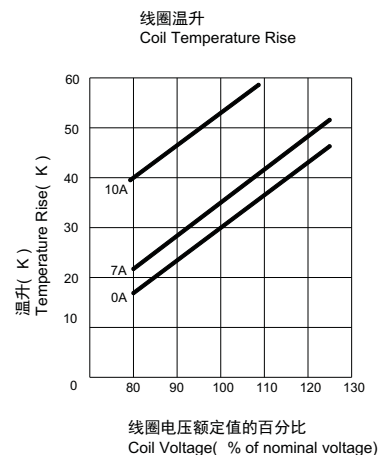
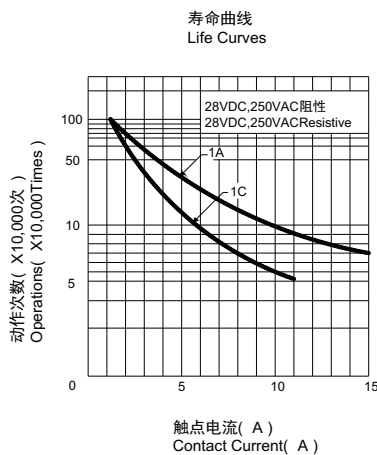
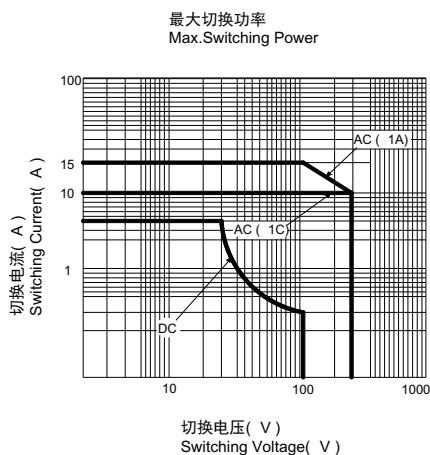
额定线圈电压 (VDC) : 03, 05, 06, 09, 12, 24, 48
Rated Coil Voltage (VDC) : 03, 05, 06, 09, 12, 24, 48

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

额定线圈功率：
Rated Coil Power: D-0.45W 无-0.36W
D-0.45W Blank-0.36W

型号: CTPR4
Model: CTPR4

特性曲线图/CHARACTERISTIC CHART DATA

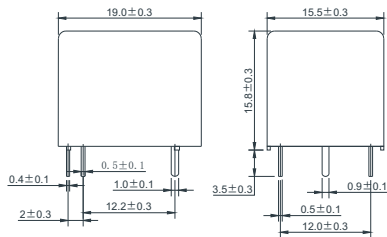


RELAY

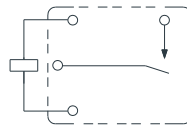
外形图, 接线图, 安装孔尺寸(单位:mm) / OUTLINE DIMENSIONS, WIRING DIAGRAM, PCB LAYOUT(Unit:mm)

A

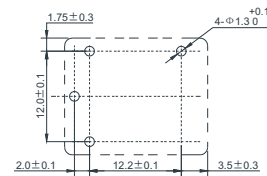
外形图/Outline Dimensions



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

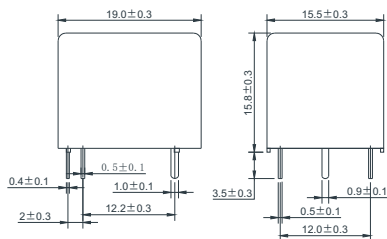


安装孔尺寸/PCB Layout
(底视图) / (Bottom View)

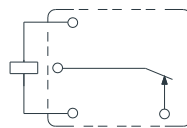


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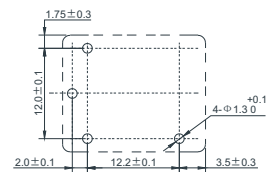
外形图/Outline Dimensions



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

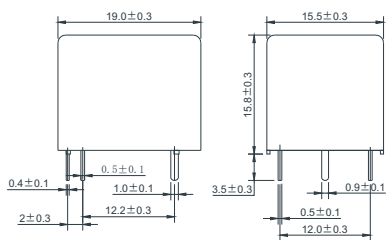


安装孔尺寸/PCB Layout
(底视图) / (Bottom View)

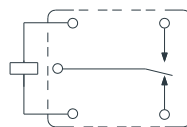


C

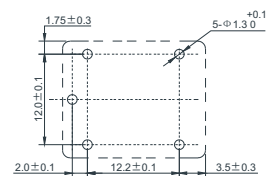
外形图/Outline Dimensions



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



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



声明:

本产品的规格书仅供客户使用时参考, 若有更改, 恕不另行通知。对本公司而言, 不可能评定继电器在每一个具体领域的所有性能参数要求, 因而客户应根据具体的使用条件选择与之相配的产品, 若疑问, 请与云尖联系以便获取更多的技术支持, 但选型责任仅由客户负责。

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.