

RELAY

小型通用汽车继电器 / Small General Automotive Relay

<p>CTQR1系列 CTQR1 SERIES</p>	<ul style="list-style-type: none"> ● 特性 Features ● 小型通用汽车继电器，尺寸：(20.4x15.1x22.0mm) Small general automotive relay, Size: (20.4x15.1x22.0mm) ● 切换能力达 35A Ability to switch up to 35A ● 具有一组常开、一组转换触点形式 Have 1A, 1C contact forms ● 工作温度高达 125 °C Operating ambient temperature 125 °C
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触点参数 / CONTACT DATA		性能参数 / GENERAL DATA		
触点形式 Contact Form	1A, 1C	绝缘电阻 Insulation	1000MΩ.500VDC	
接触电阻 Contact Resistance	50mΩ Max (6VDC 0.1A)	介质耐压 Dielectric Strength	断开触点间 Between Open contacts	500VAC 1min
触点材料 Contact Material	银合金 Ag Alloy		线圈与触点间 Between Coil and contacts	500VAC 1min
触点负载 Contact Rating	见表1 See Table 1	吸合时间 Operate time		≤ 10ms
最大切换电压 Max.Switching Voltage	28VDC	释放时间 Release time		≤ 10ms
最大切换电流 Max.Switching Current	35A	冲击 Shock	强度 Endurance	980m/s ²
最大浪涌电流 Max.Surge Current	NO:90A NC:20A		稳定性 Misoperation	98m/s ²
最大切换功率 Max.Switching Power	490W(12V 线圈电压 Coilvoltage) 420W(24V 线圈电压 Coilvoltage)	振动 Vibration	强度 Endurance	10~55HZ, 1.65mm 双振幅 10~55HZ, 1.5mm double amplitude
机械寿命 Mechanical	1 · 10 ⁶ 次 1 · 10 ⁶ times		稳定性 Misoperation	10~55HZ, 0.6mm 双振幅 10~55HZ, 1.5mm double amplitude
电气寿命 Electrical Life	1 · 10 ⁵ times	湿度 Humidity	35%~95%RH, +40°C	
		温度范围 Temperature	-40°C ~ +85°C	
		重量 Weight	约18.0g about 18.0g	

表1触点负载 / Table 1 Contact Load

型号 Model		12VDC线圈电压 12VDC Coil Voltage	24VDC线圈电压 24VDC Coil Voltage
阻性负载 Resistive Load	额定切换负载 Rated Switching load	NO:35A 14VDC NC:20A 14VDC	NO:15A 28VDC NC: 8A 28VDC
	85°C切换负载 85°C Switching load	NO:20A 14VDC NC:10A 14VDC	NO:15A 28VDC NC: 8A 28VDC

线圈规格 / COIL DATA

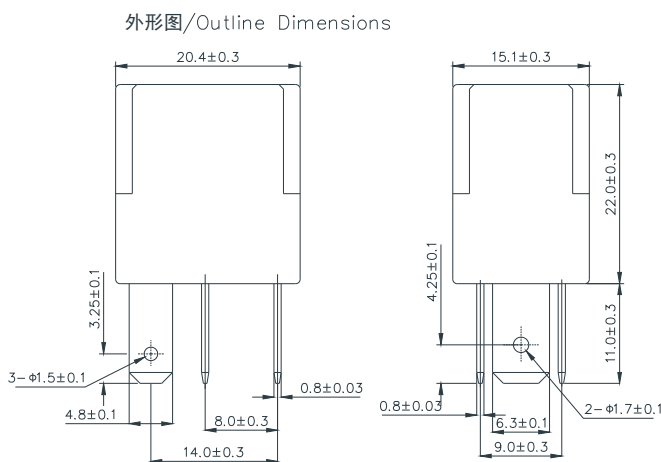
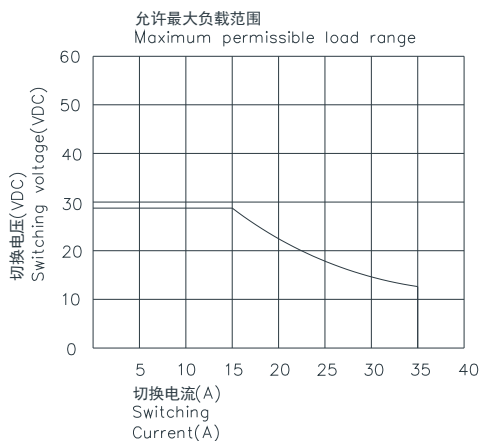
线圈灵敏度 Coil Sensitivity	额定电压 Rated Voltage (VDC)	线圈电阻 Coil Resistance (Ω 10%)	并联电阻 Parallel Resistance (Ω)	等效电阻 Equivalent Resistance (Ω)	吸合电压 Operate Voltage ≤ (VDC)	释放电压 Release Voltage ≥ (VDC)	额定线圈功率 Rated Coil Power (VDC)
标准型 Standard	12	90	—	—	8.4	1.2	1.6
	12	90	680	79.5	8.4	1.2	1.8
	24	360	—	—	16.8	2.4	1.6
	24	360	2700	317.5	16.8	2.4	1.8
灵敏型 Sensitivity	12	110	—	—	8.4	1.2	1.3
	12	110	1000	99	8.4	1.2	1.4
	24	445	—	—	16.8	2.4	1.3

命名规则/OPDERING INFORMATION

CTQR1 -H -S -D12V -A -R -D (xxx)

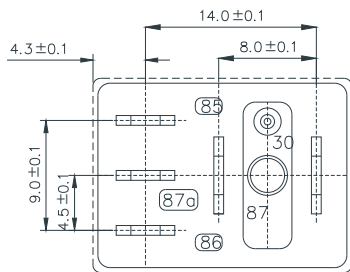
客户特性号 : Customer characteristic No:		
并联二极管阻 : Parallel diode:	D- 带二极管 D-with diode	无 - 标准型 NO-standard type
并联电阻 : Parallel resistance:	R- 带电阻 R-with resistance	无 - 标准型 NO-standard type
触点转换形式: Contact Forms :	A- 一组常开 A- 1 Form A	C- 一组转换 C- 1 Form C
额定线圈电压 (VDC) : Rated Coil Voltage (VDC) :	12, 24	
封装形式: Packing Forms:	S-塑封型 S-Plastic Sealed Type	SH-防焊剂型 SH-Flux Model
额定线圈功率: Rated Coil Power:	H:灵敏型1.3W/1.4W L:Standard 1.3W/1.4W	无(H):标准型1.6W/1.8W Blank:Standard 1.6W/1.8W
型号: CTQR1 Model: CTQR1		

特性曲线图/CHARACTERISTIC CHART DATA 外形图(单位:mm) /OUTLINE DIMENSIONS(UNIT:mm)



接线图、安装孔尺寸(单位:mm) /WIRING DIAGRAM、PCB LAYOUT(UNIT:mm)

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



备注: A型无87a脚
C型全有
Note: type A without 87A feet
Type C all

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

