

Automotive Relay Series 汽车继电器系列 -- JQX-V7

FEATURES特点

- Up to 100A contact switching capability
高达100A触点切换能力
- Plastic and flux proof are available
塑封型和防焊剂型可供选择
- Special flow guiding structure, which can instantly pass 1000A current after the contact is attracted
特殊的导流结构，吸合后瞬时电流可通过1000A
- Outline dimensions (26.4X26.4X24.8) mm.
外形尺寸 (26.4X26.4X24.8) mm.



CONTACT PARAMETERS触点参数(at23°C)

Contact Form触点形式	A-1组常开
Rating Load (Resistive)额定负载 (阻性)	100A 16VDC
Max. Switching Current最大切换电流	100A
Max. Switching Voltage最大切换电压	24VDC
Max. Switching Power最大切换功率	1400W

CHARACTERISTICS性能参数

Contact Materials触点材料	Ag Alloy银合金	
Contact Resistance接触电阻	100mΩ Max	
Operate Time吸合时间	10ms. Max	
Release Time释放时间	普通型 : 10msec. Max. 带电阻或二极管 : 15msec.Max.	
Insulation Resistance绝缘电阻	100MΩ Min.(DC500V)	
Initial Dielectric Strength介质耐压	between open contacts: 触点与触点间:	AC 500V, 50/60Hz 1Min
	between contacts and coil: 触点与线圈间:	AC 500V, 50/60Hz 1Min
Vibration Resistance抗振动	Damage limits: 耐久:	5~22.3Hz 10mm双振幅 22.3~500Hz 98m/s ²
	Malfunction: 误动作:	5~22.3Hz 10mm双振幅 22.3~500Hz 98m/s ²
Shock Resistance抗冲击	Damage limits: 耐久:	20G Min
	Malfunction: 误动作:	100G Min
Life寿命	Mechanical Life (10800 per hour) 机械寿命 (每小时10800次)	1×10^7
	Electrical Life (阻性负载 Resistive Load) (ON:OFF 1S:9S 23°C 不封气孔)	100A 16VDC 2×10^4 80A 16VDC 5×10^4
Ambient Temperature环境温度	-40 °C ~ +105 °C (No condensation) (不冷凝)	
Unit Weight单位重量	约 30.0g	

COIL RATINGS (at 23°C) 线圈参数 (在23°C)

额定电压	动作电压	释放电压	最大线圈电压	额定电流	线圈电阻	线圈功耗
VDC	VDC	VDC	VDC	1±10% mA	1±10% Ω	1±10% W
12	≤8.4	≥1.2	15.6	133.3	90	1.6
24	≤16.8	≥2.4	31.2	66.7	360	
12	≤8.4	≥1.2	15.6	166.7	72	2.0
24	≤16.8	≥2.4	31.2	83.4	288	

备注: 其它表格中未列出的线圈参数, 请联络我司业务获取。

ORDERING INFORMATION 订货标记

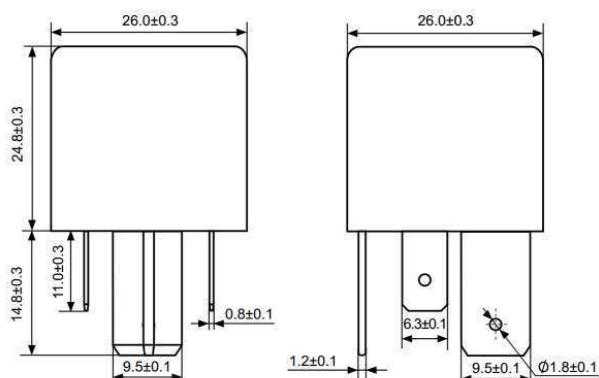
JQX-V7 012 - 1 H P F R N (XXX)								
1	2	3	4	5	6	7	8	9
1. Model Number 基本型号 JQX-V7					6. Bracket: Nil- No Bracket Standard F - Metal Bracket			
2. Coil Voltage 线圈规格 (VDC): DC12V, DC24V					支架类型: 无-无支架型 F-铁支架			
3. Number of Pole: 1 : Single pole 开关型式: 1 - 一组开关					7. Options: Nil-Standard R-Coil parallel resistor D1/D2 - Coil parallel Diode (详见元件表)			
4. Contact form: H -1Form A 触点形式: H -1组常开					支架类型: 无-标准型 R-线圈并联电阻 D1/D2-线圈并联二极管			
5. Induces foot position: P - PCB Board Terminal Nil - Solder Lug Terminal 引出脚形式: PCB-PCB引脚 无-快捷端子引脚					8. Coil Power: 无-1.6W, N - 2.0W 线圈功率: 无-1.6W, N - 2.0W			
					9. Customer Special Code: XXX-Customer Special Requirements No - Standard Type 客户特性号: XXX-客户特殊要求, 无-标准型			

LIST OF RESISTANCE COMPONENTS 电阻元件使用类表

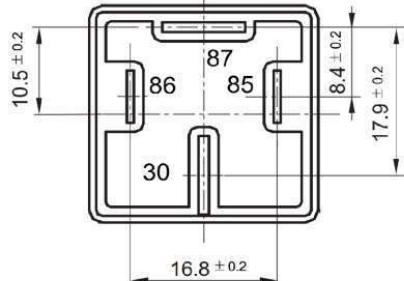
线圈电压 (VDC)	电阻 (Ω)			并联二极管	D1	D2
	R	R1	R2			
12	680	560	470	正极脚位	85	86
24	2700	1200	1000	负极脚位	86	85

OUTLINE DIMENSIONS (UNIT:mm) 外形尺寸 (单位: mm)

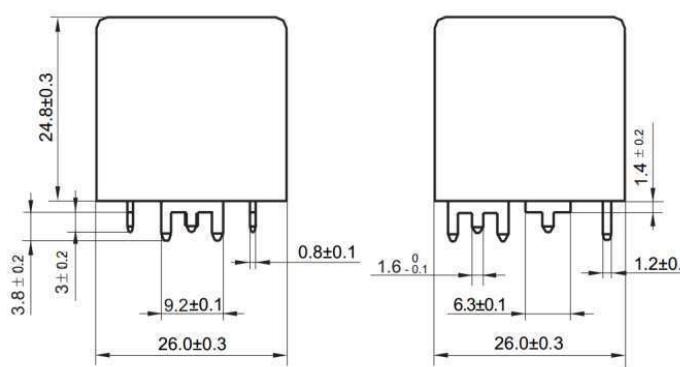
长脚型外形图



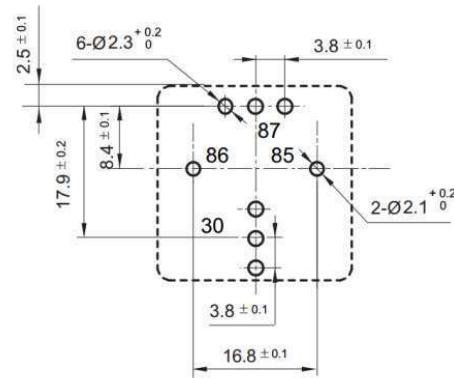
长脚型底视图



PCB 型外形图

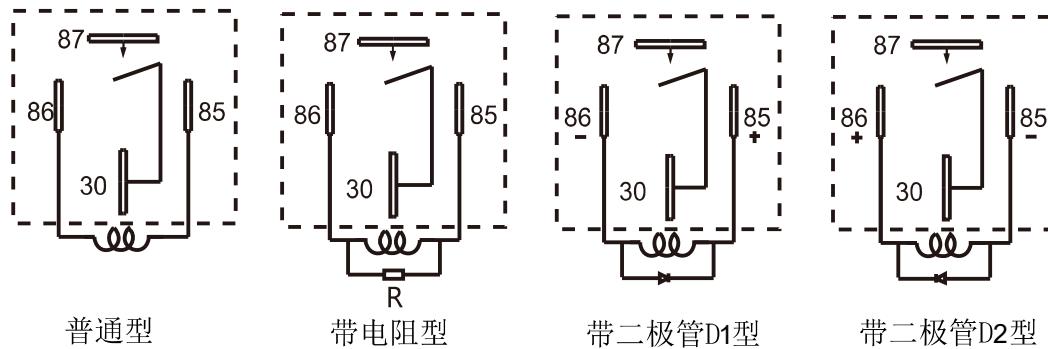


PCB 型孔位图



注: 1) 产品部分外形尺寸未注明公差, 当外形尺寸≤1mm 时, 公差为±0.2mm; 当外形尺寸为1~5mm 时, 公差为±0.3mm; 当外形尺寸>5mm 时, 公差为±0.4mm。

2) 安装孔未注明公差得均为±0.1mm。



PERFORMANCE CHART 性能曲线图

