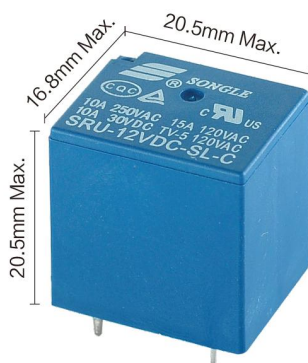


### 特性 / FEATURES

- 15A触点切换能力  
15A switching capability
- UL绝缘等级: F级、B级  
UL insulation system: Class F, Class B
- 具有密封型与防焊剂型两种封装形式  
Sealed and flux proofed types available
- 印制板式引出端  
Standard PCB layout



### 订购信息 / ORDERING INFORMATION

## SRU-12VDC-S L-C

A/B/C	触点形式 Contact Arrangement
L 0.36W / D 0.45W	线圈功率 Coil Power
S 密封/Sealed F 防焊剂/Flux proofed	封装形式 Construction
5/6/9/12/18/24/36/48VDC	线圈电压 Coil Voltage
	型 号 Model

### 触点参数 / CONTACT PARAMETERS

触点形式	Contact arrangement	A, B, C
接触电阻	Contact resistance	≤100mΩ (1A 6VDC)
触点材质	Contact material	银合金/Silver alloy: AgSnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub> , AgSnO <sub>2</sub> , AgNi
触点负载(阻性)	Contact rating(Res. load)	10A/15A 250VAC, 12A/15A 120VAC, TV-5 120VAC
最大切换电压	Max switching voltage	250VAC
最大切换电流	Max switching current	15A
最大切换功率	Max switching power	3750VA
电耐久性 (频率:每小时360次)	Electrical endurance (Frequency:360 ops/h)	1×10 <sup>5</sup> ops / 1×10 <sup>4</sup> ops
机械耐久性 (频率:每小时18000次)	Mechanical endurance (Frequency:18000 ops/h)	1×10 <sup>7</sup> ops

## 超小型大功率继电器

Subminiature High Power Relay

10A/15A

### 特性参数 / CHARACTERISTICS PARAMETERS

绝缘等级	Insulation level		B/F
绝缘电阻	Insulation resistance		100MΩ(500VDC)
介质耐压 (漏电流 1mA)	Dielectric strength (Leakage current 1mA)	线圈与触点间 Between coil and contacts	1500VAC 1min
		断开触点间 Between open contacts	1000VAC 1min
吸合时间(额定电压下)	Operate time(at nominal voltage)		≤10ms
释放时间(额定电压下)	Release time (without diode) (at nominal voltage)		≤5ms
湿度	Humidity		5% ~ 85% RH
环境温度(°C)	Ambient temperature		-40°C ~ +85°C/+105°C
抗冲击	Shock resistance	稳定性/Functional	98m/s <sup>2</sup>
		强度/Destructive	980m/s <sup>2</sup>
抗振动(双振幅)	Vibration resistance (Double amplitude)		10Hz~55Hz 1.5mm
重量	Weight		约/Approx 12g
封装形式	Construction		密封/Sealed 防焊剂/Flux proofed

备注: 以上数据均为初始值

Remark: All above data is initial value

### 线圈参数 / COIL PARAMETERS

常温/At (23°C)

功耗(W)	Power consumption(W)	0.36W(L)								0.45W(D)							
		5	6	9	12	18	24	36	48	5	6	9	12	18	24	36	48
额定电压(VDC)	Nominal voltage(VDC)	5	6	9	12	18	24	36	48	5	6	9	12	18	24	36	48
线圈电阻(Ω±10%)	Coil resistance(Ω±10%)	69.4	100	225	400	900	1600	3600	6400	55	80	180	320	720	1280	2880	5120
吸合电压(Max)	Pick-up voltage(Max)	75% 额定电压(Nominal voltage)															
释放电压(Min)	Drop-out voltage(Min)	10% 额定电压(Nominal voltage)															
允许最大电压(VDC)	Max allowable overdrive voltage(VDC)	130% 额定电压(Nominal voltage)															

### 安全认证(相关认证以第三方认证证书为准) / SAFETY APPROVAL RATINGS



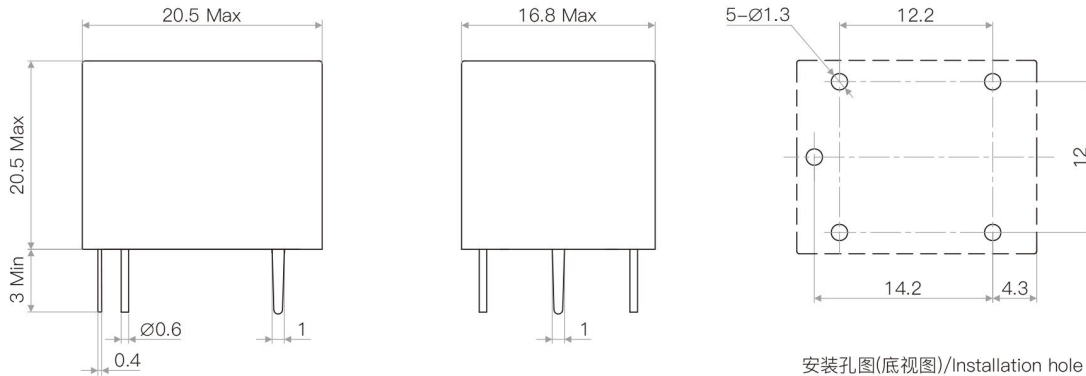
7A 250VAC  
10A 250VAC

7A 250VAC  
10A 250VAC  
15A 250VAC NO

TV-5 120VAC  
10A 240VAC  
12A 120VAC

### 外形图 / OUTLINE DIMENSIONS

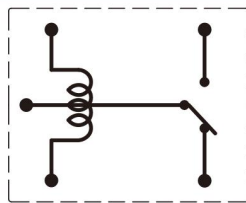
单位/Unit(mm)



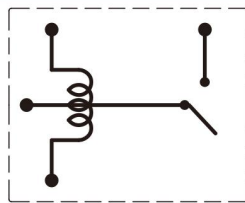
安装孔图(底视图)/Installation hole drawing(Bottom view)

未注公差/Tolerance:±0.1

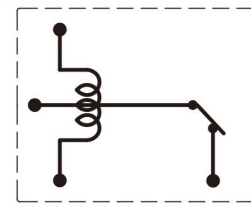
### 线路图(底视图) / WIRING DIAGRAM (BOTTOM VIEW)



转换C型/Conversion C type



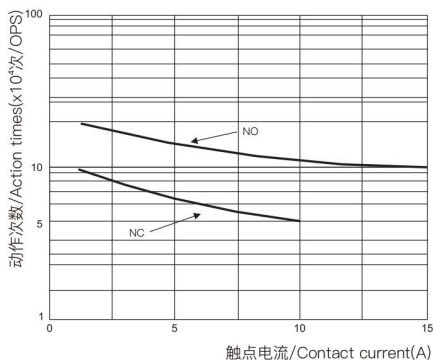
常开A型/Normally open A type



常闭B型/Normally closed B type

### 性能曲线图 / CHARACTERISTIC CURVES

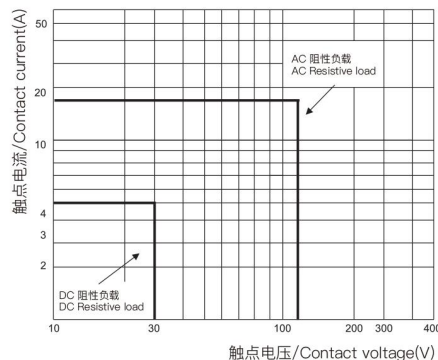
电耐久性曲线  
Electrical endurance curve



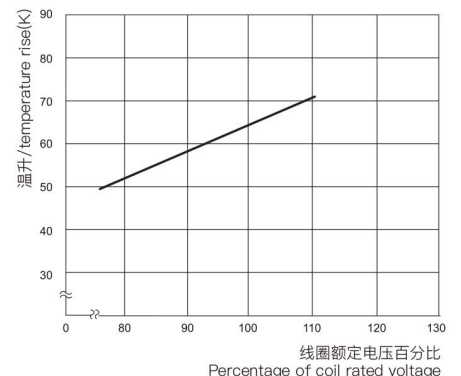
测试条件:  
NO端, 15A 120VAC, 阻性负载, 防焊剂型, 室温, 1s通9s断。  
NC端, 10A 120VAC, 阻性负载, 防焊剂型, 室温, 1s通9s断。

Test conditions:  
NO: Resistive load, Room temp., flux proofed, 15A 120VAC, 1s on 9s off  
NC: Resistive load, Room temp., flux proofed, 10A 120VAC, 1s on 9s off

最大切换功率  
Maximum switching power



线圈温升  
Coil temperature rise



测试条件: 70°C 10A  
安装间距: 25mm

Testing conditions: 10A at 70 .  
Mounting distance: 25mm