

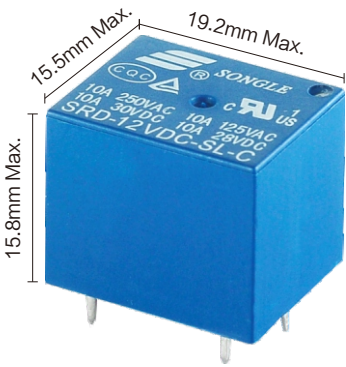
SRD(T73) Series

超小型大功率继电器
Subminiature High Power Relay

7A/10A/15A

特性 / FEATURES

- 超小型、标准印制板引出脚
Subminiature, standard PCB layout
- 7A/10A/15A多种负载选择
Contact rating: 7A/10A/15A
- 环境温度: -40°C~+85°C/+105°C
Ambient temperature: -40°C~+85°C/+105°C



订购信息 / ORDERING INFORMATION

SRD-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
3/5/6/9/12/18/24/36/48VDC	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 ₂ /In ₂ O ₃ , AgSnO ₂ , AgNi
触点负载(阻性)	Contact rating(Res. load)	7A/10A/15A 250VAC/28VDC, 10A 125VAC
最大切换电压	Max switching voltage	277VAC/30VDC
最大切换电流	Max switching current	15A
最大切换功率	Max switching power	2770VA/300W
电耐久性 (频率:每小时360次)	Electrical endurance (Frequency:360 ops/h)	1x10 ⁸ ps / 1x10 ⁸ ps
机械耐久性 (频率:每小时18000次)	Mechanical endurance (Frequency:18000 ops/h)	1x10 ⁷ ps

超小型大功率继电器

Subminiature High Power Relay

7A/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(℃)	Ambient temperature	-40℃ ~ +85℃/+105℃
抗冲击	Shock resistance	稳定性/Functional
		98m/s ²
		强度/Destructive
		980m/s ²
抗振动(双振幅)	Vibration resistance (Double amplitude)	10Hz-55Hz 1.5mm
重量	Weight	约/Approx 9g
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℃)

功耗Power consumption(W)	0.36W(L)									0.45W(D)								
额定电压Nominal voltage(VDC)	3	5	6	9	12	18	24	36	48	3	5	6	9	12	18	24	36	48
线圈电阻Coil resistance(Ω±10%)	25	69.4	100	225	400	900	1600	3600	6400	20	55	80	180	320	720	1280	2880	5120
吸合电压Pick-up voltage(Max)	75% 额定电压(Nominal voltage)																	
释放电压Drop-out voltage(Min)	10% 额定电压(Nominal voltage)																	
允许最大电压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

 CQC08002027667

 R50056114
R50137084

 E167996

7A 250VAC

10A 250VAC

7A 250VAC

10A 250VAC

15A 250VAC NO

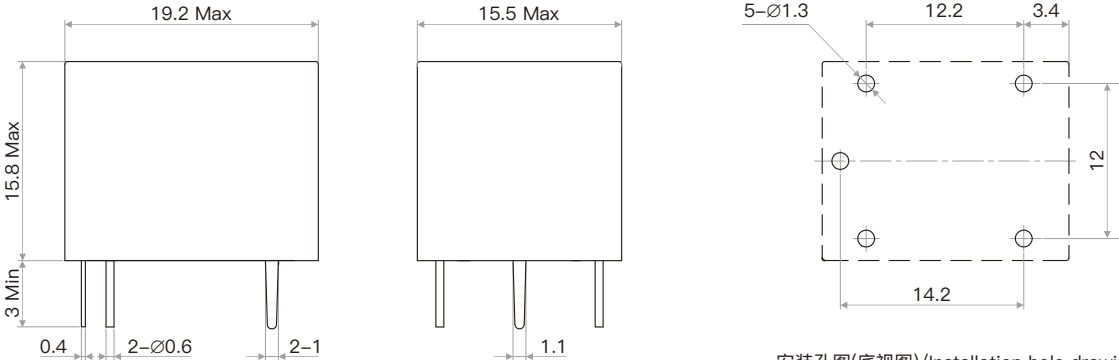
3A 125VAC

10A 125VAC

15A 125VAC NO

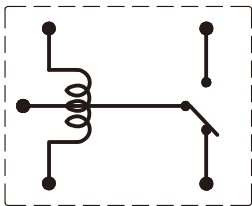
感性/Inductive

外形图 / OUTLINE DIMENSIONS 单位/Unit(mm)

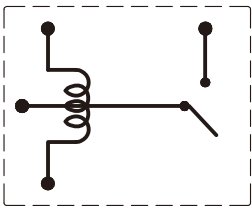


安装孔图(底视图)/Installation hole drawing(Bottom view)
未注公差/Tolerance:±0.1

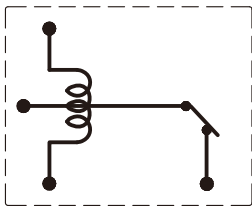
线路图(底视图) / WIRING DIAGRAM (BOTTOM VIEW)



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

