

PCB 继电器

TRA4

- UL TV-5 rating relay
- 1 form A contact arrangement
Immersion cleanable,sealed version available
- Applications include appliance, HAVC, CTV, Monitor, emergency lighting
- Conform to RoHS,ELV directive



ORDERING CODE 订购代码

TRA4	D	—	12VDC	—	S	—	H/C
1	2	3	4	5	6		
1. Relay Model 继电器型号						S: Sealed type 密封型	
2. Coil Power 线圈功率 D=0.54W, L=0.25W						5. Contact Form 触点排列 H: Form A	
3. Coil Nominal Voltage 线圈额定电压 3,5,6,9,12,24,48VDC						6. Case Type 外壳类型 Nil: Sealed Cover 密封壳	
4. Type of Sealing 封装类型						C: Flux tight Cover 防尘壳	

COIL DATA 线圈参数 (at 20℃)

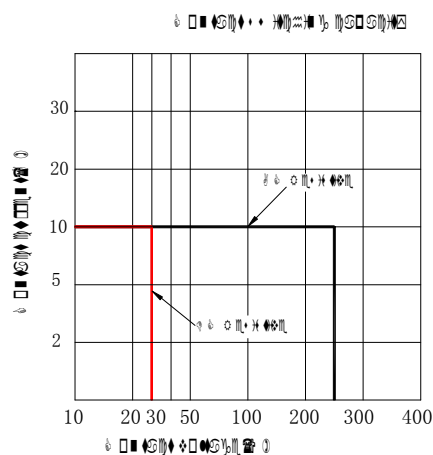
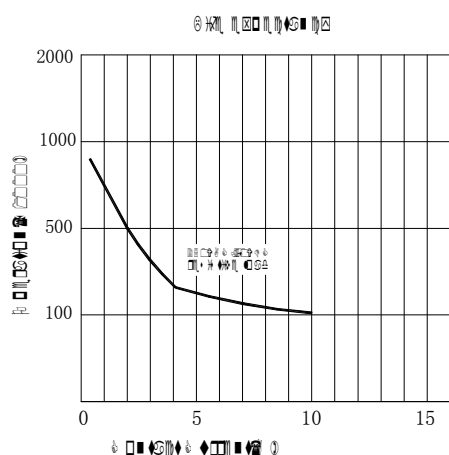
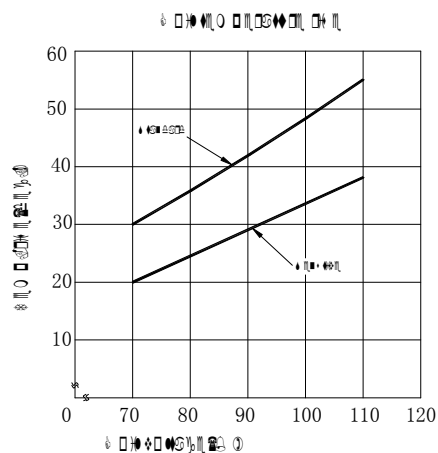
Nominal Voltage额定电压(VDC)	3	5	6	9	12	24	48	0.25W
Coil Resistance线圈阻值(Ω ± 10%)	36	100	144	324	576	2304	9216	
Rated Current额定电流(mA)	83	50	42	28	21	10	5	
Max Operate Voltage 最大吸合电压(VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage最小释放电压(VDC)	0.15	0.25	0.3	0.45	0.6	1.2	2.4	
Coil Resistance线圈阻值(Ω ± 10%)	17	46	67	150	270	1050	4250	0.54W
Rated Current额定电流(mA)	180	108	90	60	45	22.5	11.3	
Max Operate Voltage 最大吸合电压(VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage最小释放电压(VDC)	0.15	0.25	0.3	0.45	0.6	1.2	2.4	
Max ApplicableVoltage 最大过载电压	70℃时额定电压的130%，23℃时额定电压的170%							

CONTACT DATA 触点参数

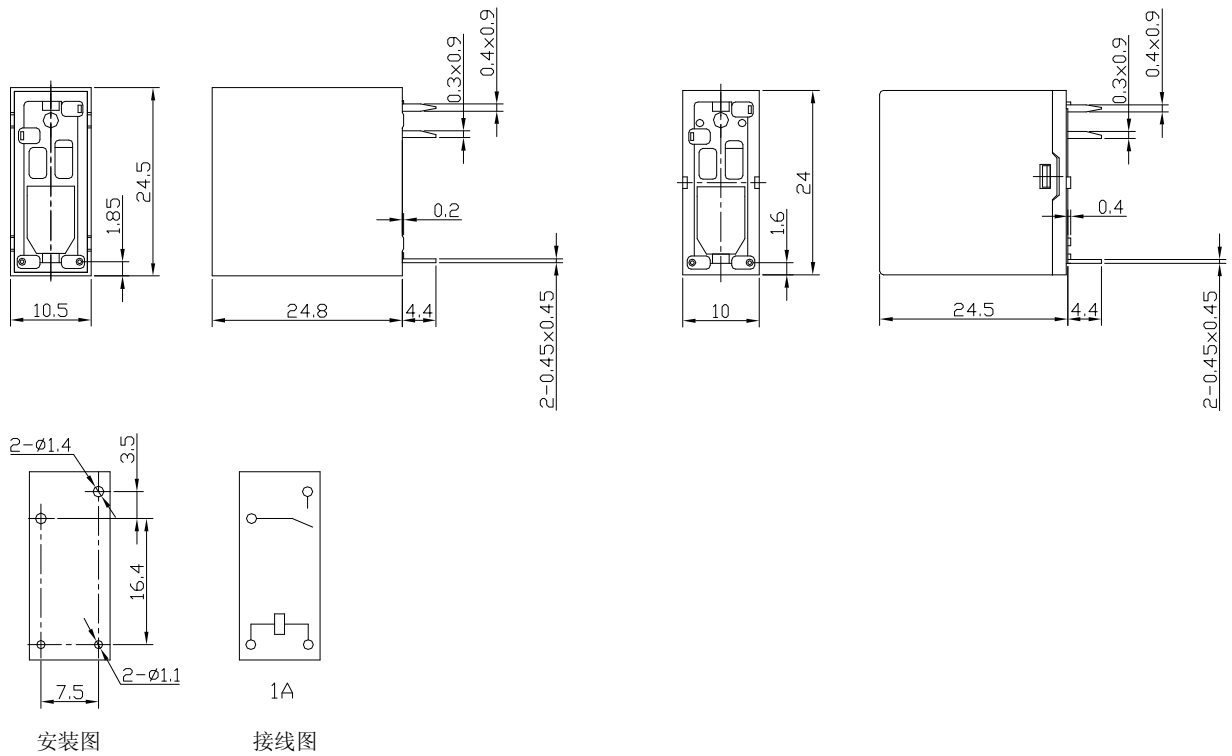
Contact Form触点形式	1H
Contact Material触点材料	Silver Alloy
Load负载	Resistive load(COS Φ 1)
Contact Ratings触点负载	10A 250VAC/30VDC TV-5(5A@120VAC)
Minimum load 最小负载	100mA 5VDC
Max Switching Voltage最大转换电压	250VAC/110VDC
Max Switching Current最大转换电流	10A
Max Switching Power 最大转换功率	2500VA/300W
Contact Resistance接触电阻	100m Ω Max at 6VDC 1A
Life Expectancy寿命	Electrical 电气寿命: 100, 000 Operations(at30Operations/minute)
	Mechanical机械寿命: 10, 000, 000 Operations(at300Operations/minute)

Insulation Resistance绝缘阻值	100M Ω Min at 500VDC
Dielectric Strength Between Open Contacts触点间耐压	900VAC(for one minute)
Between Contacts and coil触点与线圈间耐压	4000VAC(for one minute)
Operate Time吸合时间	15ms
Release Time释放时间	8ms
Temperature Range环境温度	-30℃to+70℃
Shock Resistance冲击	Operating Extremes动作极限: 10G
	Damage Limits破坏极限: 100G
Vibration Resistance振动	10-55Hz, 1.5mm
Max. switching frequency最大转换频率	Mechanical:18,000operations/hr Electrical:1,800operations/hr
Humidity湿度	20-85%
Weight重量	Approx 11g
Safety Standard安全标准	UL cUL TÜV CQC S

Model(型号)	Coiling rating (线圈电压)	Safety Standard (安全标准)	Contact rating (触点负载)
TRA4	3 to 48VDC	TÜV	10A 250VAC 10A 30VDC
		UL/cUL	10A 250VAC 10A 30VDC
			TV-5 5A 120VAC
		CQC	10A 250VAC
		S	5/40A 250VAC 3/100A 250VAC



■ OVERALL AND MOUNTING DIMENSIONS 安装图



备注: 1) 产品部分外形尺寸中未注尺寸公差: 当外形尺寸 $\leq 1\text{mm}$ 时, 公差为 $\pm 0.2\text{mm}$; 当外形尺寸在 $1\sim 5\text{mm}$ 时, 公差为 $\pm 0.3\text{mm}$; 当外形尺寸 $> 5\text{mm}$ 时, 公差为 $\pm 0.4\text{mm}$ 。

2) 安装孔尺寸中未注尺寸公差均为 $\pm 0.1\text{mm}$ 。

声明:
本产品规格书仅供客户使用时参考, 如有更改, 恕不另行通知。