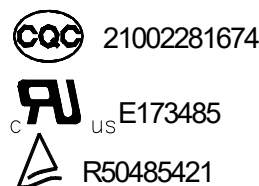


POWER RELAY

TRA6H

- 16A switching capability
- Plastic sealed available
- Transparent sealed available
- RoHS Compliant



CONTACT DATA

Contact Arrangement	1H/1Z
Contact Material	Silver Alloy
Load	Resistive load (cos Φ=1)
Contact Ratings	NO: 16A 250VAC/30VDC NC: 10A 250VAC/30VDC
Min. Contact Load	100mA 5VDC
Max. Switching Voltage	250VAC/30VDC
Max. Switching Current	20A
Max. Switching Power	4000VA/480W
Contact Resistance	100m Ω Max at 6VDC 1A
Electrical Endurance	1 × 10 ⁵ OPS(at 6 OPS/min)
Mechanical Endurance	1 × 10 ⁷ OPS(at 300 OPS/min)

CHARACTERISTICS

Insulation Resistance		1000M Ω Min. at 500VDC
Dielectric Strength	Between Open Contacts	1000VAC 1 min
	Between Contacts and Coil	5000VAC 1 min
Operate Time		≤15ms
Release Time		≤5ms
Ambient Temperature		-40℃ ~ +105℃
Shock Resistance		Functional : 10G 11ms
		Destructive : 100G 6ms
Vibration Resistance		10~55Hz, 1.5mm DA
Humidity		20~85%
Unit Weight		Approx. 14g

COIL DATA (at 23°C)

Rated Voltage (VDC)	5	6	9	12	24	48	0.54W
Coil Resistance (Ω±10%)	46	67	150	267	1066	4266	
Rated Current (mA)	108	90	60	45	22.5	11.3	
Max. Operate Voltage (VDC)	3.75	4.5	6.75	9	18	36	
Min. Release Voltage (VDC)	0.25	0.3	0.45	0.6	1.2	2.4	
Max. Voltage	6.5	7.8	11.7	15.6	31.2	62.4	

Rated Voltage (VDC)	5	6	9	12	24	48	0.72W
Coil Resistance ($\Omega \pm 10\%$)	35	50	110	200	800	3200	
Rated Current (mA)	144	120	80	60	30	15	
Max. Operate Voltage (VDC)	3.75	4.5	6.75	9	18	36	
Min. Release Voltage (VDC)	0.25	0.3	0.45	0.6	1.2	2.4	
Max. Voltage	6.5	7.8	11.7	15.6	31.2	62.4	

Remark: Max. Voltage refers to the maximum voltage which relay coil could endure in a period of time.。

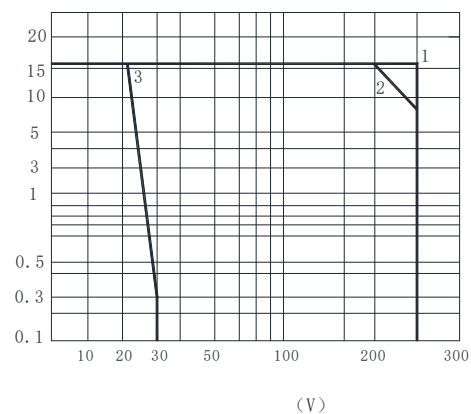
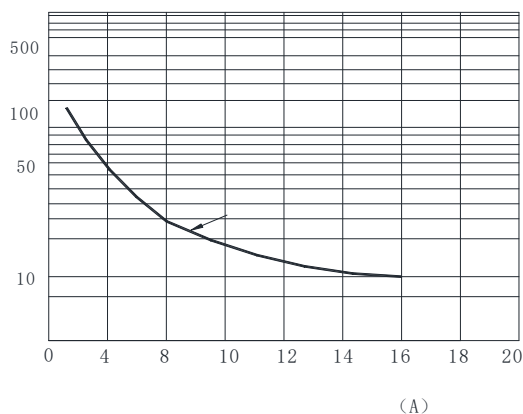
■SAFETY APPROVED RATINGS

Type	Coil Voltage	Safety Approval	Contact Ratings
TRA6H	5 ~ 48VDC	UL	NO:16A 250VAC/30VDC NC: 10A 250VAC/30VDC
		TUV	
		CQC	

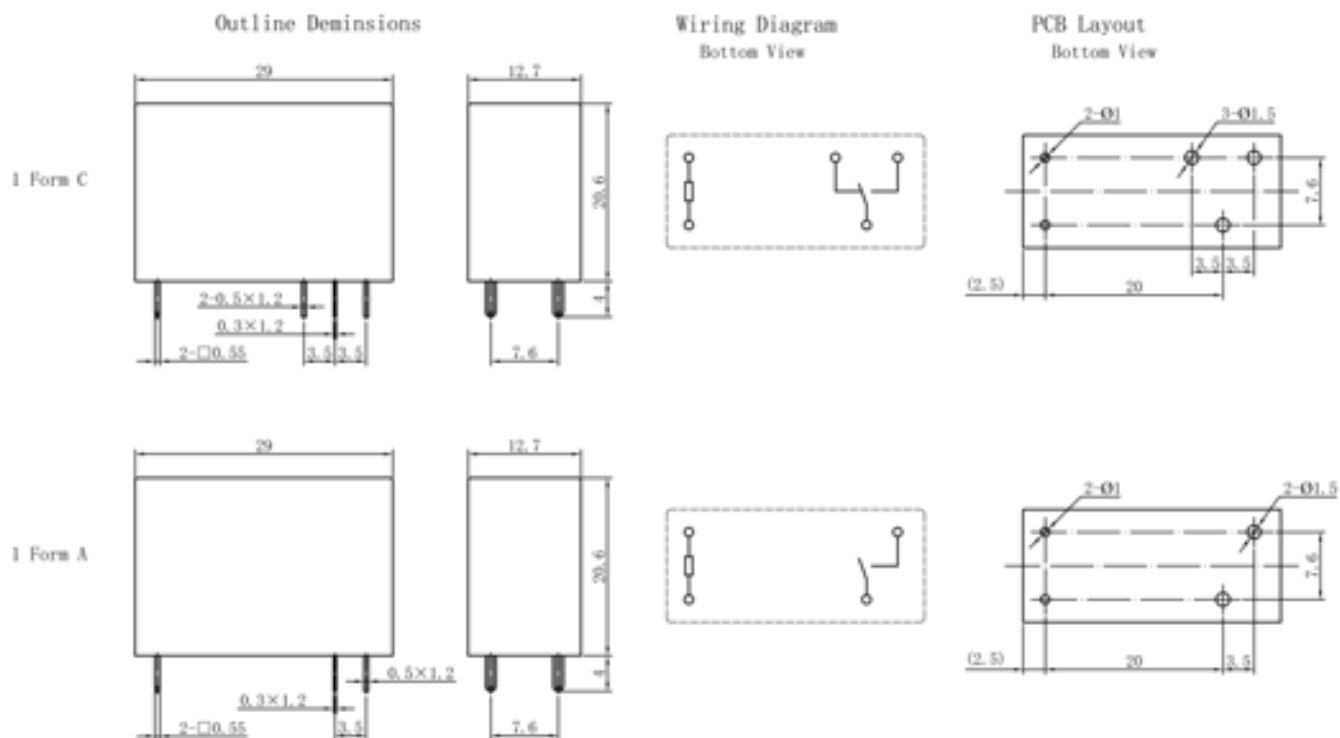
■ORDERING INFORMATION

Type	TRA6H	L	-SS	-H	F	/12VDC	/XX
Coil Power	D: 0.72W L: 0.54W						
Construction	SS: Plastic Sealed SH: Flux Proofed						
Contact Arrangement	H: 1 Form A Z: 1 Form C						
Insulated Standard	F: Class F (155℃)						
Coil Voltage	05, 06, 09, 12, 24, 48VDC						
Special Code	XX: Customer Special Requirement Ex: Explosion Proof Nil: Standard Type						

■CHARACTERISTIC CURVES



■OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



Remark:

- 1) In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$.
- 2) The additional tin top is max. 1mm.
- 3) The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.

Disclaimer:

The specification is for reference only. Specification subject to change without notice.