



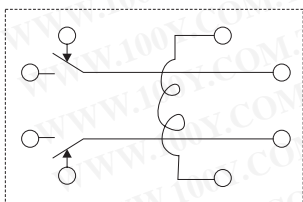
Relays & Solenoids

TTI_PCB Relays

Detailed product specifications are available on: us.100y.com.tw



PERFORMANCE (at initial value)



Item	Type	TR99
Contact Resistance		100mΩ Max.
Operation Time		15msec Max.
Release Time		5msec Max.
Dielectric Strength Between coil & contact Between contacts		1000VAC 50/60HZ (1 minute) 750VAC 50/60HZ (1 minute)
Surge Resistiveness		1500V (between coil & contact 140 usec)
Insulation Resistance		100 MΩ Min. (500VDC)
Max. ON/OFF Switching Mechanically Electrically		300 operation/min 30 operation/min
Operating Ambient Temperature		-30°C to +60°C (No water condensation and no water drop)
Operating Humidity		45% to 85%RH
Coil Temperature Rise		35 deg. Max. (at rated coil voltage)
Vibration Endurance Error Operation		10 to 55Hz Double Amplitude 1.5mm 10 to 55Hz Double Amplitude 1.5mm
Shock Endurance Error Operation		100G Min. 10G Min.
Life Expectancy Mechanically Electrically		10x10 ⁶ ops. Min. (no load) 10x10 ⁴ ops. Min. (at rated coil voltage)
Weight		abt. 12grs.

CONTACT RATING

Item	Type	TR99	
Contact Capacity Resistive Load (cosΦ=1)		5A 110VAC 5A 28VDC	1A 110VAC 1A 28VDC
Inductive Load (cos=0.4 L/R=7msec)		2A 110VAC 2A 28VDC	0.3A 110VAC 0.3A 28VDC
Rated Carrying Current		5A	1A
Max. Allowable Voltage		250VAC 50VDC	
Max. Allowable Current		5A	1A
Max. Allowable Power Force		550VA 140W	110VAC 28W
Referenced Min. Applicable Load		5VDC 110mA	
Contact Material		Ag Alloy	Ag Alloy

Part No.	Product No.	Manufacturer	Description	Outline L*W*H	Contact Arrangement	Contact Rating	Coil Voltage	Type
22897	TR99-12VDC-SB-CD	TTI	TTI Relay	21.6*16*16.5	DPDT	5A/28VDC	12VDC	TR99
22901	TR99-24VDC-SB-CD	TTI	TTI Relay	21.6*16*16.5mm	DPDT	5A/28VDC	24VDC	TR99
22903	TR99-5VDC-SB-CD	TTI	TTI Relay	21.6*16*16.5	DPDT	5A/28VDC	5VDC	TR99
22904	TR99-9VDC-SB-CD	TTI	TTI Relay	21.6*16*16.5	DPDT	5A/28VDC	9VDC	TR99

MAIN FEATURES

- Small size and light weight offers high density P.C. Board technique.
- Free from dust, gases, humidity, etc. by employment of glass tube sealed reed switch for high reliability contact performance.
- Switching capacity from dry circuit use by 1A selectable to comply with wide applications.
- Fast response time in addition to short bouncing time to application associated with semiconductors like transistors, I.C. 'S.



APPLICATIONS

- Communication equipment, domestic appliance, security equipment, office automation machine, etc.

PERFORMANCE (at initial value)

Item	Type	TRA
Contact Resistance		150mΩ Max.
Operation Time		1.0msec Max.
Release Time		0.5msec Max.
Dielectric Strength Between coil & contact Between contacts		3000VDC(1 second) 200VDC(1 second)
Surge Resistiveness		3000V(between coil & contacts 1X40 usec.)
Insulation Resistance		100 MΩ Min. (500VDC)
Max. ON/OFF Switching Mechanically Electrically		300 operation/min 30 operation/min
Operating Ambient Temperature		-30° to +60°C (No water condensation and no water drop)
Operating Humidity		45 to 85% RH
Coil Temperature Rise		30 deg. Max. (at rated coil voltage)
Vibration Endurance Error Operation		10 to 55HZ Double Amplitude 1.5mm 10 to 55HZ Double Amplitude 1.5mm

